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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order of	execution informa	tion	м	arket and M	larketable Lii	mit order execu	tion information	
Security	Order Size Buckets Code: Share Size Range	of	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
ABBEYBDS	21:0-6,499	3	450	0:00:00.0	0.0000	450	0.0000		-	-	
ABCTRANS	21 : 0-6,499	50	94,854	0:08:41.3	0.0078	81,961	0.0093		-	1,000	0.0400
ABCTRANS	22 : 6,500-34,999	61	689,119	0:06:07.4	0.0002	551,866	0.0049		-	-	
ABCTRANS	23 : 35,000-126,499	49	2,625,417	0:09:01.4	-0.0035	2,262,417	0.0052		-	100,000	0.0198
ABCTRANS	24 : 126,500 & above	39	7,303,945	0:20:33.0	0.0054	6,880,945	0.0178		-	1,517,621	0.0294
ACCESS	21 : 0-6,499	1,615	2,395,584	0:05:39.4	0.0491	1,734,760	0.0582		-	23,645	0.0935
ACCESS	22 : 6,500-34,999	1,234	19,403,011	0:03:52.3	0.0020	9,279,270	0.0374		-	249,070	0.0418
ACCESS	23 : 35,000-126,499	1,323	71,823,531	0:07:00.7	-0.0037	38,167,844	0.0402		-	1,271,942	0.0550
ACCESS	24 : 126,500 & above	1,213	2,667,773,506	0:01:08.8	0.0391	1,584,072,059	0.1024		-	57,925,943	0.0924
AFRINSURE	21 : 0-6,499	14	17,901	0:00:19.1	-0.0011	16,901	0.0000		-	-	
AFRINSURE	22 : 6,500-34,999	14	182,970	0:03:51.0	0.0004	160,970	0.0008		-	-	
AFRINSURE	23 : 35,000-126,499	21	1,849,581	0:00:00.0	0.0005	1,849,581	0.0002		-	-	
AFRINSURE	24 : 126,500 & above	36	142,466,973	0:10:33.2	0.0010	140,966,973	0.0034		-	-	
AFRIPRUD	21 : 0-6,499	980	1,135,785	0:07:07.1	0.0197	809,276	0.0334		-	38,021	0.0243

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated.

SWA stands for 'Share Weighted Average and signifies the statistic is computed by multiplying the shares executed by each trade's achieved statistic value and dividing over total shares applicable.

Executed shares, Execution Speed and Realized Spread are over all orders while the remaining statistics are on market or marketable limit orders (designated at entry time) only.





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Order Bucke	ets	All order	execution information	ition	М	arket and M	larketable Lir	nit order execu	tion information	
Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
22 : 6,500-34,999	558	5,561,327	0:11:00.4	0.0210) 3,798,378	0.0328		-	187,453	0.0158
23 : 35,000-126,499	545	19,362,937	0:19:42.5	0.0073	11,731,391	0.0262		-	792,812	0.0327
24 : 126,500 & above	447	81,350,817	0:12:50.4	0.0093	62,585,894	0.0595		-	29,060,698	0.0412
21 : 0-6,499	63	79,975	0:17:06.3	0.0025	65,453	0.0096	1	-	1,000	0.0300
22 : 6,500-34,999	66	668,263	0:09:03.2	0.0136	567,248	0.0256	1	-	117,692	0.0385
23 : 35,000-126,499	62	3,496,656	0:10:51.9	-0.0147	2,195,418	0.0036	1	-	163,206	0.0145
24 : 126,500 & above	13	858,701	0:08:06.9	0.0221	. 858,701	0.0221		-		-
21 : 0-6,499	225	433,308	0:12:43.8	0.0115	322,766	0.0121		-		-
22 : 6,500-34,999	244	3,020,480	0:18:10.1	0.0060) 2,023,958	0.0108		-	16,250	0.0080
23 : 35,000-126,499	350	14,941,754	0:30:19.6	-0.0009	8,915,409	0.0097	1	-	295,612	0.0097
24 : 126,500 & above	313	74,811,967	0:22:23.0	0.0060	56,525,367	0.0199	1	-	16,979,247	0.0182
21 : 0-6,499	54	68,880	0:01:38.5	0.0064	55,625	0.0645		-	400	0.0655
22 : 6,500-34,999	10	99,714	0:15:28.4	0.1212	95,714	0.1395		-	48,567	0.1241
23 : 35,000-126,499	2		0:00:00.0)				-	-	-
21 : 0-6,499	3	622	0:00:00.0	0.0000) 622	0.0000		-		-
	Order Size Buckets Code: Share Size Range 22 : 6,500-34,999 23 : 35,000-126,499 24 : 126,500 & above 21 : 0-6,499 22 : 6,500-34,999 23 : 35,000-126,499 24 : 126,500 & above 21 : 0-6,499 22 : 6,500-34,999 23 : 35,000-126,499 24 : 126,500 & above 21 : 0-6,499 22 : 6,500-34,999 23 : 35,000-126,499	of Orders 22 : 6,500-34,999 558 23 : 35,000-126,499 545 24 : 126,500 & above 447 21 : 0-6,499 63 22 : 6,500-34,999 66 23 : 35,000-126,499 62 24 : 126,500 & above 13 21 : 0-6,499 62 24 : 126,500 & above 13 21 : 0-6,499 22 22 : 6,500-34,999 24 23 : 35,000-126,499 350 24 : 126,500 & above 313 21 : 0-6,499 54 23 : 35,000-126,499 54 22 : 6,500-34,999 10 23 : 35,000-126,499 2 22 : 6,500-34,999 10 23 : 35,000-126,499 2	Order Size Buckets Number of Orders Total Executed Shares 22 : 6,500-34,999 558 5,561,327 23 : 35,000-126,499 545 19,362,937 24 : 126,500 & above 447 81,350,817 21 : 0-6,499 63 79,975 22 : 6,500-34,999 66 668,263 23 : 35,000-126,499 62 3,496,656 24 : 126,500 & above 13 858,701 21 : 0-6,499 225 433,308 22 : 6,500-34,999 244 3,020,480 23 : 35,000-126,499 244 3,020,480 23 : 35,000-126,499 313 74,811,967 21 : 0-6,499 54 68,880 22 : 6,500-34,999 313 74,811,967 21 : 0-6,499 54 68,880 22 : 6,500-34,999 10 99,714 23 : 35,000-126,499 2 - 23 : 35,000-126,499 2 -	Order Size Buckets Code: Share Size Range Number of Orders Total Executed Shares SWA Execution Speed 22 : 6,500-34,999 558 5,561,327 0:11:00.4 23 : 35,000-126,499 545 19,362,937 0:19:42.5 24 : 126,500 & above 447 81,350,817 0:12:50.4 21 : 0-6,499 63 79,975 0:17:06.3 22 : 6,500-34,999 66 668,263 0:09:03.2 23 : 35,000-126,499 62 3,496,656 0:10:51.9 24 : 126,500 & above 13 858,701 0:08:06.9 21 : 0-6,499 225 433,308 0:12:43.8 22 : 6,500-34,999 244 3,020,480 0:18:10.1 23 : 35,000-126,499 313 74,811,967 0:22:23.0 24 : 126,500 & above 313 74,811,967 0:22:23.0 21 : 0-6,499 54 68,880 0:01:38.5 22 : 6,500-34,999 10 99,714 0:15:28.4 23 : 35,000-126,499 2 - 0:00:00.0	Order Size Buckets Code: Share Size Range Number of Orders Total Executed Shares SWA Execution Speed SWA Execution Speed SWA Realized Spread (N) 22 : 6,500-34,999 558 5,561,327 0:11:00.4 0.0210 23 : 35,000-126,499 545 19,362,937 0:19:42.5 0.0073 24 : 126,500 & above 447 81,350,817 0:12:50.4 0.0025 21 : 0-6,499 63 79,975 0:17:06.3 0.0025 22 : 6,500-34,999 66 668,263 0:09:03.2 0.0147 24 : 126,500 & above 13 858,701 0:08:06.9 0.0221 21 : 0-6,499 244 3,020,480 0:18:10.1 0.0060 23 : 35,000-126,499 313 74,811,967 0:22:23.0 0.0060 23 : 35,000-126,499 54 68,880 0:01:38.5 0.0060 24 : 126,500 & above 313 74,811,967 0:22:23.0 0.0060 21 : 0-6,499 54 68,880 0:01:38.5 0.0060 22 : 6,500-34,999 10 99,714 0:152.84<	Order Size Buckets Code: Share Size Range Number of Orders Total Executed Shares SWA Execution Speed SWA Realized Spread (N) Market/ Marketable Limit Executed Shares 22 : 6,500-34,999 558 5,561,327 0:11:00.4 0.0210 3,798,378 23 : 35,000-126,499 545 19,362,937 0:19:42.5 0.0073 11,731,391 24 : 126,500 & above 447 81,350,817 0:12:50.4 0.0025 65,453 22 : 6,500-34,999 66 668,263 0:09:03.2 0.0136 567,248 23 : 35,000-126,499 62 3,496,656 0:10:51.9 -0.0147 2,195,418 24 : 126,500 & above 13 858,701 0:08:06.9 0.0221 858,701 21 : 0-6,499 225 433,308 0:12:43.8 0.0115 322,766 22 : 6,500-34,999 244 3,020,480 0:18:10.1 0.0060 2,023,958 23 : 35,000-126,499 313 74,811,967 0:22:23.0 0.0064 55,525,367 21 : 0-6,499 54 68,880 0:01:38.5 0.0064	Order Size Buckets Code: Share Size Range Number of Orders Total Executed Shares SWA Speed SWA Realized Spread (N) Market/ Marketable Limit Executed Shares SWA Effective Spread (N) 22: 6,500-34,999 558 5,561,327 0:11:00.4 0.0210 3,798,378 0.0328 23: 35,000-126,499 545 19,362,937 0:19:42.5 0.0073 11,731,391 0.0262 24: 126,500 & above 447 81,350,817 0:12:50.4 0.0093 62,585,894 0.0595 21: 0-6,499 63 79,975 0:17:06.3 0.0025 65,453 0.0096 22: 6,500-34,999 66 668,263 0:09:03.2 0.0147 2,195,418 0.0026 23: 35,000-126,499 62 3,496,656 0:10:51.9 -0.0147 2,195,418 0.0021 24: 126,500 & above 13 858,701 0:08:06.9 0.0221 858,701 0.0221 21: 0-6,499 244 3,020,480 0:18:10.1 0.0060 2,023,958 0.0199 21: 0-6,499 313 74,811,967 0:22:23.0 <td>Order Size Buckets Code: Share Size Range Number Orders Total Executed Shares SWA Speed SWA Realized Spread (N) Market/ Marketable Limit Executed Shares SWA Effective Spread (N) Price Improved Shares 22 : 6,500-34,999 558 5,561,327 0:11:00.4 0.0210 3,798,378 0.0328 23 : 35,000-126,499 545 19,362,937 0:19:42.5 0.0073 11,731,391 0.0262 24 : 126,500 & above 447 81,350,817 0:12:50.4 0.0093 62,585,894 0.0595 21 : 0-6,499 63 79,975 0:17:06.3 0.0025 65,453 0.0096 22 : 6,500-34,999 66 668,263 0:09:03.2 0.0147 2,195,418 0.0026 23 : 35,000-126,499 62 3,496,656 0:10:51.9 -0.0147 2,195,418 0.0021 21 : 0-6,499 225 433,308 0:12:43.8 0.0115 322,766 0.0121 22 : 6,500-34,999 244 3,020,480 0:18:10.1 0.0060 2,023,958 0.0108 23 : 35,000-126,499 313</td> <td>Order Size Buckets Number of Orders Total Shares SWA Executed Speed SWA Executed Spread Market/ Marketable Limit Executed Shares SWA 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24 : 126,500 & above 447 81,350,817 0:12:50.4 0.0093 62,585,894 0.0595 21 : 0-6,499 63 79,975 0:17:06.3 0.0025 65,453 0.0096 22 : 6,500-34,999 66 668,263 0:09:03.2 0.0147 2,195,418 0.0026 23 : 35,000-126,499 62 3,496,656 0:10:51.9 -0.0147 2,195,418 0.0021 21 : 0-6,499 225 433,308 0:12:43.8 0.0115 322,766 0.0121 22 : 6,500-34,999 244 3,020,480 0:18:10.1 0.0060 2,023,958 0.0108 23 : 35,000-126,499 313	Order Size Buckets Number of Orders Total Shares SWA Executed Speed SWA Executed Spread Market/ Marketable Limit Executed Shares SWA Spread Price Spread SWA Spread Price Spread SWA Spread Price Spread SWA Spread Market/ Executed Shares SWA Spread Price Spread SWA Spread Price Spread SWA Spread Price Spread SWA Spread Price Spread SWA Spread Market/ Marketable Limit Spread SWA Spread Price Spread SWA Spread Price Spread SWA Spread Price Spread SWA Spread Market/ Spread SWA Spread SWA Spread SWA Spread SWA Spread Market/ Spread SWA Spread	Order Size Buckets Code: Share Size Range Number 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ARBICO	21 : 0-6,499	5	1,161	0:00:00.0	0.0000	1,161	0.0000		-		-
BERGER	21 : 0-6,499	85	91,093	3 0:11:06.0	0.0795	69,530	0.1257		-	5,78	5 0.0810
BERGER	22 : 6,500-34,999	37	470,666	6 0:11:25.5	-0.0116	359,656	0.0830		-	7,000	0.1378
BERGER	23 : 35,000-126,499	10	330,837	7 0:07:02.2	0.0247	329,061	0.0375		-		-
BERGER	24 : 126,500 & above	1		- 0:00:00.0)	-			-		-
BETAGLAS	21 : 0-6,499	45	24,284	4 0:02:21.5	1.3828	24,201	1.2870		-	9,60	0.0632
BETAGLAS	22 : 6,500-34,999	4	21,665	5 0:00:00.0	0.0000	21,665	0.0000		-		-
BETAGLAS	23 : 35,000-126,499	6	3,383	3 0:00:01.3	3.7167	3,373	3.7389		-		-
BOCGAS	21 : 0-6,499	41	23,567	7 0:09:16.4	0.0937	23,067	0.0958		-		-
BOCGAS	22 : 6,500-34,999	8	51,015	5 0:00:04.7	0.1959	50,800	0.2191		-		-
BOCGAS	23 : 35,000-126,499	3		- 0:00:00.0)	-			-		-
BOCGAS	24 : 126,500 & above	4	704,545	5 0:00:00.0	0.2400	704,545	0.2400		-		-
CADBURY	21 : 0-6,499	688	867,689	0:11:31.1	0.1509	639,989	0.1659		-	29,122	2 0.0440
CADBURY	22 : 6,500-34,999	424	4,439,459	0:15:17.0	0.0511	2,903,933	0.1594		-	315,113	3 0.0612
CADBURY	23 : 35,000-126,499	177	6,071,243	3 0:14:25.8	0.1169	4,037,646	0.2353		-	1,096,38	1 0.1388

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CADBURY	24 : 126,500 & above	41	74,973,656	0:00:31.7	-0.0140	49,726,011	0.5857		-		25,593,378	0.6023
CAP	21 : 0-6,499	200	122,692	0:10:46.8	0.4572	88,907	0.7670		-		6,400	0.0768
CAP	22 : 6,500-34,999	67	551,202	0:12:21.0	0.5683	430,968	0.8471		9,900	0.0500	37,755	0.6640
CAP	23 : 35,000-126,499	19	394,297	0:37:31.9	0.3619	215,316	5 1.2292		-		89,916	5 1.0148
CAP	24 : 126,500 & above	3	851,800	0:00:00.9	0.0062	427,300	0.9531		-			-
CAPHOTEL	21 : 0-6,499	4	1,912	0:00:00.0	0.0000	1,912	0.0000		-			-
CAPOIL	21 : 0-6,499	5	3,250	1:47:09.2	0.0012	3,250	0.0006		-			-
CAPOIL	22 : 6,500-34,999	7	75,500	0:01:40.6	0.0094	65,500	0.0094		-			_
CAPOIL	23 : 35,000-126,499	11	440,500	0:01:51.3	0.0048	440,500	0.0062		-		93,000	0.0092
CAPOIL	24 : 126,500 & above	18	5,574,140	0:10:03.7	0.0005	4,682,117	0.0038		-		180,000	0.0134
CAVERTON	21 : 0-6,499	206	281,151	0:10:22.2	0.0410	193,495	0.0463		-		3,000	0.0097
CAVERTON	22 : 6,500-34,999	328	2,738,757	0:18:25.2	0.0088	1,796,807	0.0364		-		34,075	0.0203
CAVERTON	23 : 35,000-126,499	324	10,601,103	0:14:10.1	0.0070	7,021,255	0.0300		-		542,097	0.0257
CAVERTON	24 : 126,500 & above	174	39,061,639	0:24:41.5	0.0146	30,469,979	0.0466		-		11,647,061	0.0178
CCNN	21 : 0-6,499	378	526,215	0:14:27.5	0.2004	379,839	0.3351		-		6,400	0.0994

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CCNN	22 : 6,500-34,999	203	1,466,718	0:18:59.1	0.1680	1,159,923	0.3235		-	144,839	0.1477
CCNN	23 : 35,000-126,499	59	2,319,264	0:16:20.5	0.0814	1,607,847	0.3385		-	167,000	0.1709
CCNN	24 : 126,500 & above	13	5,087,781	0:01:33.0	0.0092	3,087,781	0.2949		-	202,216	0.4404
CHAMPION	21 : 0-6,499	124	78,935	0:17:43.0	0.0007	56,354	0.0242		-	3,400	0.0300
CHAMPION	22 : 6,500-34,999	88	875,045	0:14:43.8	0.0169	603,496	0.0507		-	81,402	0.0386
CHAMPION	23 : 35,000-126,499	43	1,400,577	0:25:23.3	0.0333	971,267	0.0412		-	411,353	0.0214
CHAMPION	24 : 126,500 & above	28	3,758,469	0:08:19.6	0.0642	3,626,432	0.0919		-	785,253	0.0455
CHAMS	21 : 0-6,499	7	6,300	0:00:00.0	0.0000	6,300	0.0000		-		-
CHAMS	22 : 6,500-34,999	2	35,000	0:00:00.0	0.0000	35,000	0.0000		-		-
CHELLARAM	21 : 0-6,499	8	8,444	0:00:00.0	0.2156	8,444	0.2156		-		-
CHELLARAM	22 : 6,500-34,999	4	9,820	0:00:07.3	-0.0007	9,720	0.0000		-	-	-
CHELLARAM	23 : 35,000-126,499	5	88,388	0:00:40.3	0.0305	85,233	0.0413		-	46,000	0.0098
CILEASING	21:0-6,499	165	216,126	0:15:06.1	0.0241	158,200	0.0328		-	5,900	0.0286
CILEASING	22 : 6,500-34,999	155	1,473,845	0:29:11.6	0.0189	932,393	0.0358		-	115,310	0.0333
CILEASING	23 : 35,000-126,499	234	8,426,931	0:38:13.0	-0.0009	4,063,149	0.0310		-	511,650	0.0247

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	ition	М	arket and M	larketable Lir	mit order execu	tion information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
CILEASING	24 : 126,500 & above	145	23,758,935	0:26:48.8	0.0177	16,743,140	0.0438		-	8,447,741	0.0362
CONOIL	21 : 0-6,499	376	325,197	0:17:40.1	0.1100	218,202	0.6351		-	22,024	0.2456
CONOIL	22 : 6,500-34,999	73	692,106	0:18:29.9	0.4359	596,957	0.9894		-	112,454	0.2604
CONOIL	23 : 35,000-126,499	11	432,778	0:04:42.9	1.4536	432,778	1.8453		-	158,057	2.0850
CONOIL	24 : 126,500 & above	1	-	0:00:00.0	1	-			-		-
CONTINSURE	21 : 0-6,499	84	131,886	0:19:39.1	0.0311	106,187	0.0422		-	1,500	0.0067
CONTINSURE	22 : 6,500-34,999	98	757,663	0:30:24.9	0.0071	404,722	0.0241		-	8,000	0.0092
CONTINSURE	23 : 35,000-126,499	99	3,625,828	0:24:59.1	-0.0090	2,486,650	0.0400		-	692,100	0.0330
CONTINSURE	24 : 126,500 & above	65	8,828,237	0:23:08.9	-0.0022	5,473,237	0.0304		-	1,211,200	0.0209
CORNERST	21 : 0-6,499	26	11,460	0:00:00.0	0.0000	11,460	0.0000		-		-
CORNERST	22 : 6,500-34,999	6	40,000	0:00:00.0	0.0035	40,000	0.0035		-		-
CORNERST	23 : 35,000-126,499	11	300,000	0:00:00.0	0.0000	300,000	0.0000		-		-
CORNERST	24 : 126,500 & above	13	1,113,808	0:02:50.2	0.0018	1,113,808	0.0018		-		-
COURTVILLE	21 : 0-6,499	35	94,041	0:15:23.8	-0.0007	67,841	0.0044		-	-	-
COURTVILLE	22 : 6,500-34,999	69	810,325	0:25:20.2	0.0061	667,105	0.0067		-		-

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated.

SWA stands for 'Share Weighted Average and signifies the statistic is computed by multiplying the shares executed by each trade's achieved statistic value and dividing over total shares applicable.

Executed shares, Execution Speed and Realized Spread are over all orders while the remaining statistics are on market or marketable limit orders (designated at entry time) only.





Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	ition	м	arket and M	larketable Lir	nit order execu	ition information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
COURTVILLE	23 : 35,000-126,499	80	3,992,521	0:22:32.4	0.0019	3,068,561	0.0047		-	90,560	0.0104
COURTVILLE	24 : 126,500 & above	167	51,153,930	0:16:44.4	-0.0002	41,183,853	0.0058		-	1,881,384	0.0096
CUSTODIAN	21 : 0-6,499	160	204,595	0:09:33.0	0.0777	153,402	0.0952		-	10,430	0.0264
CUSTODIAN	22 : 6,500-34,999	123	1,099,527	0:13:36.8	0.0464	907,372	0.0694		-	66,500	0.0378
CUSTODIAN	23 : 35,000-126,499	98	2,602,536	0:22:24.9	0.0171	1,614,214	0.0764		-	212,010	0.0130
CUSTODIAN	24 : 126,500 & above	50	8,789,362	0:22:14.2	0.0326	5,364,443	0.0580		-	230,000	0.0070
CUTIX	21 : 0-6,499	187	281,992	0:29:15.3	-0.0008	183,737	0.0628		-	23,619	0.0628
CUTIX	22 : 6,500-34,999	129	1,269,844	0:28:01.5	0.0111	704,660	0.0467		-	138,476	0.0402
CUTIX	23 : 35,000-126,499	91	3,013,573	0:20:47.1	0.0213	2,249,876	0.0609		-	341,027	0.0351
CUTIX	24 : 126,500 & above	31	4,627,926	0:08:54.6	-0.0028	3,950,142	0.0672		-	1,604,358	0.0381
DAARCOMM	22 : 6,500-34,999	3	30,000	0:00:00.0	0.0000	30,000	0.0000		-	-	-
DAARCOMM	23:35,000-126,499	1	60,000	0:00:00.0	0.0000	60,000	0.0000		-	-	-
DANGCEM	21 : 0-6,499	743	651,558	0:13:48.7	0.5709	358,560	2.3803		100 0.10	00 60,423	1.0710
DANGCEM	22 : 6,500-34,999	316	2,260,764	0:13:44.5	0.3568	1,203,345	2.3479		-	266,716	1.3637
DANGCEM	23 : 35,000-126,499	38	1,121,161	0:01:19.4	0.2936	873,059	2.4668		-	341,435	0.4780

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated.

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and M	larketable	Limit or	der execut	ion information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares		SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
DANGCEM	24:126,500 & above	28	13,723,304	0:00:03.8	4.8318	9,855,738	7.3171		-		8,296,545	5 2.9119
DANGSUGAR	21 : 0-6,499	851	1,357,998	0:13:11.2	0.1097	931,527	0.1959		-		70,881	0.1220
DANGSUGAR	22 : 6,500-34,999	489	5,637,207	0:12:19.9	0.0465	3,875,023	0.1505		12,000	0.1000) 456,058	0.0607
DANGSUGAR	23 : 35,000-126,499	324	13,501,953	0:15:07.4	0.0757	9,379,124	0.1873		-		1,317,092	0.1032
DANGSUGAR	24 : 126,500 & above	189	54,911,179	0:06:10.2	0.1155	5 44,974,479	0.3262		-		11,916,394	0.3374
DEAPCAP	21 : 0-6,499	1	50	0:00:00.0	0.0000) 50	0.0000		-		-	-
DIAMONDBNK	21 : 0-6,499	653	1,172,464	0:11:31.0	0.0058	819,587	0.0159	I	-		1,100	0.0086
DIAMONDBNK	22 : 6,500-34,999	740	8,722,759	0:14:54.0	0.0070	5,740,653	0.0171		-		49,250	0.1058
DIAMONDBNK	23 : 35,000-126,499	731	34,888,903	0:18:22.1	-0.0011	21,389,908	0.0165		-		880,800	0.0087
DIAMONDBNK	24 : 126,500 & above	1,198	396,145,022	0:17:57.4	0.0051	. 291,307,141	0.0228		-		64,357,503	0.0210
DUNLOP	21 : 0-6,499	16	36,651	0:00:09.8	-0.0055	5 35,651	0.0129	1	-		-	-
DUNLOP	22 : 6,500-34,999	16	175,485	0:00:33.8	0.0019) 175,485	0.0076		-		-	-
DUNLOP	23 : 35,000-126,499	26	1,250,303	0:00:31.6	0.0074	1,150,303	0.0140		-		-	-
DUNLOP	24 : 126,500 & above	21	21,690,366	0:00:37.5	-0.0006	20,690,366	0.0004		-		-	-
ELLAHLAKES	21:0-6,499	1	500	0:00:00.0	0.0000) 500	0.0000		-		•	-

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated.

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	ition	М	arket and M	larketable Li	mit order execu	tion information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
ENAMELWA	21 : 0-6,499	11	6,157	0:00:00.0	0.0000	6,157	0.0000		-		-
ENAMELWA	22 : 6,500-34,999	1	7,280	0:00:00.0	0.0000	7,280	0.0000		-		-
EQUITYASUR	21 : 0-6,499	18	29,731	0:00:50.7	0.0023	25,031	0.0020		-		-
EQUITYASUR	22 : 6,500-34,999	20	221,589	0:00:48.1	0.0008	201,564	0.0019		-		-
EQUITYASUR	23 : 35,000-126,499	8	179,725	0:06:14.4	0.0058	179,725	0.0058		-		-
EQUITYASUR	24 : 126,500 & above	24	9,978,390	0:00:32.3	-0.0008	9,978,390	0.0024		-		-
ETERNA	21 : 0-6,499	303	470,716	0:16:59.3	0.0091	. 284,425	0.1079		-	13,91	5 0.0230
ETERNA	22 : 6,500-34,999	338	2,976,302	0:14:36.0	-0.0100	1,686,807	0.0824		-	206,44	2 0.0359
ETERNA	23 : 35,000-126,499	257	9,045,538	0:20:37.7	0.0163	5,192,710	0.0996		-	1,420,70	9 0.0427
ETERNA	24 : 126,500 & above	86	13,061,858	0:17:46.7	0.0477	9,345,292	0.2129		-	5,608,23	8 0.0948
ETI	21 : 0-6,499	705	599,556	0:08:32.7	0.1635	512,746	0.2412		-	32,55	1 0.0687
ETI	22 : 6,500-34,999	183	2,249,038	0:07:58.8	0.0738	1,543,987	0.1605		-	148,36	1 0.1108
ETI	23 : 35,000-126,499	142	6,422,009	0:21:13.2	0.1392	4,598,558	0.2056		-	413,80	7 0.0795
ETI	24 : 126,500 & above	58	15,842,819	0:07:13.9	-0.0342	12,144,031	0.2572		-	2,765,22	0 0.0932
ETRANZACT	21:0-6,499	13	16,195	0:00:00.0	0.0000	16,195	0.0000		-		-

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated.

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	ition	м	arket and M	larketable Lin	nit order exec	ution information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
FBNH	21 : 0-6,499	2,940	5,538,648	0:04:16.8	0.0423	4,121,155	0.0474		-	51,175	0.0445
FBNH	22 : 6,500-34,999	2,090	27,625,240	0:06:36.6	0.0377	19,051,392	0.0445		-	513,805	0.0448
FBNH	23 : 35,000-126,499	1,728	91,363,748	0:09:13.6	0.0153	54,362,271	0.0377		-	1,603,655	0.0568
FBNH	24 : 126,500 & above	1,694	577,840,711	0:06:56.4	0.0100	390,365,874	0.0532		-	54,551,196	0.0584
FCMB	21 : 0-6,499	762	1,121,203	0:07:48.5	0.0162	778,701	0.0260		-	30,510	0.0273
FCMB	22 : 6,500-34,999	682	7,347,362	0:15:40.2	0.0108	4,654,955	0.0221		-	255,779	0.0138
FCMB	23 : 35,000-126,499	644	27,227,140	0:10:43.7	0.0031	16,539,799	0.0213		-	1,749,077	0.0274
FCMB	24 : 126,500 & above	829	223,683,832	0:10:27.7	0.0078	159,059,156	0.0344		-	49,890,077	0.0260
FIDELITYBK	21 : 0-6,499	1,194	2,228,558	0:07:33.1	0.0095	1,573,499	0.0170		-	8,100	0.0072
FIDELITYBK	22 : 6,500-34,999	1,125	14,012,245	0:09:45.2	0.0053	8,663,044	0.0153		-	316,434	0.0170
FIDELITYBK	23 : 35,000-126,499	1,357	63,084,638	0:13:46.6	-0.0006	35,772,749	0.0143		-	2,145,501	0.0109
FIDELITYBK	24 : 126,500 & above	1,637	616,576,117	0:09:43.2	0.0053	435,564,777	0.0334	150	0,000 0.03	100 137,608,729	0.0332
FIDSON	21 : 0-6,499	164	197,959	0:24:06.0	0.0392	115,520	0.0678		-		-
FIDSON	22 : 6,500-34,999	155	1,035,881	0:16:01.7	0.0215	575,911	0.0758		-	84,668	0.0237
FIDSON	23 : 35,000-126,499	117	2,539,270	0:21:22.1	0.0413	1,773,632	0.0871		-	386,105	0.0253

Guidance:

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

Order Bucke	ets	All order	execution information	tion	м	arket and M	larketable Lin	nit order execu	tion information	
Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
24 : 126,500 & above	63	7,152,702	0:22:37.2	0.0887	6,493,350	0.2161		-	4,608,025	0.1113
21 : 0-6,499	12	18,042	0:00:00.0	0.0121	18,042	0.0121		-	-	
22 : 6,500-34,999	29	325,954	0:00:49.6	0.0226	325,954	0.0209		-		
23 : 35,000-126,499	36	1,126,890	0:15:14.0	0.0064	834,828	0.0140		-		
24 : 126,500 & above	24	1,997,037	0:33:27.5	0.0143	1,533,987	0.0213		-	250,000	0.0149
21 : 0-6,499	1,331	1,736,003	0:08:27.2	0.0828	1,149,012	0.1542		-	67,345	0.0746
22 : 6,500-34,999	740	7,773,755	0:09:28.1	0.0815	4,930,386	0.1469		-	532,426	0.1068
23 : 35,000-126,499	496	21,565,613	0:06:34.8	0.0766	14,867,493	0.1653		-	3,015,742	0.1192
24 : 126,500 & above	189	72,265,884	0:03:20.6	0.1754	49,527,094	0.2960		-	24,732,646	0.2136
21 : 0-6,499	1,077	1,335,958	0:12:13.3	0.0930	933,556	0.2853		-	68,646	0.2380
22 : 6,500-34,999	402	3,859,098	0:10:29.4	0.1011	2,830,737	0.3293		-	564,389	0.1817
23 : 35,000-126,499	75	3,541,047	0:04:03.0	0.0768	2,893,254	0.5298		-	1,011,191	0.1631
24 : 126,500 & above	27	3,377,123	0:00:14.3	0.2257	3,358,102	0.7741		-	1,615,000	0.1269
21:0-6,499	25	64,549	0:00:00.0	0.0000	64,549	0.0000		-	-	
22 : 6,500-34,999	23	381,300	0:00:00.0	0.0000	381,300	0.0000		-	-	
	Order Size Buckets Code: Share Size Range 24 : 126,500 & above 21 : 0-6,499 22 : 6,500-34,999 23 : 35,000-126,499 24 : 126,500 & above 21 : 0-6,499 23 : 35,000-126,499 24 : 126,500 & above 21 : 0-6,499 22 : 6,500-34,999 23 : 35,000-126,499 23 : 35,000-126,499 23 : 35,000-126,499 23 : 35,000-126,499	of Orders 24 : 126,500 & above 63 21 : 0-6,499 12 22 : 6,500-34,999 29 23 : 35,000-126,499 36 24 : 126,500 & above 24 21 : 0-6,499 1,331 22 : 6,500-34,999 740 23 : 35,000-126,499 496 24 : 126,500 & above 189 21 : 0-6,499 1,077 22 : 6,500-34,999 402 23 : 35,000-126,499 402 23 : 35,000-126,499 75 24 : 126,500 & above 27 21 : 0-6,499 27 21 : 0-6,499 27 21 : 0-6,499 27 21 : 0-6,499 27 21 : 0-6,499 27 21 : 0-6,499 27 21 : 0-6,499 27 21 : 0-6,499 25	Order Size Buckets Number of Orders Total Executed Shares 24 : 126,500 & above 63 7,152,702 21 : 0-6,499 12 18,042 22 : 6,500-34,999 29 325,954 23 : 35,000-126,499 36 1,126,890 24 : 126,500 & above 24 1,997,037 21 : 0-6,499 1,331 1,736,003 22 : 6,500-34,999 740 7,773,755 23 : 35,000-126,499 496 21,565,613 24 : 126,500 & above 189 72,265,884 21 : 0-6,499 1,077 1,335,958 22 : 6,500-34,999 402 3,859,098 23 : 35,000-126,499 75 3,541,047 24 : 126,500 & above 27 3,377,123 21 : 0-6,499 25 64,549	Order Size Buckets Code: Share Size Range Number of Orders Total Executed Shares SWA Execution Speed 24 : 126,500 & above 63 7,152,702 0:22:37.2 21 : 0-6,499 12 18,042 0:00:00.0 22 : 6,500-34,999 29 325,954 0:00:49.6 23 : 35,000-126,499 36 1,126,890 0:15:14.0 24 : 126,500 & above 24 1,997,037 0:33:27.5 21 : 0-6,499 1,331 1,736,003 0:08:27.2 22 : 6,500-34,999 740 7,773,755 0:09:28.1 23 : 35,000-126,499 496 21,565,613 0:06:34.8 24 : 126,500 & above 189 72,265,884 0:03:20.6 21 : 0-6,499 1,077 1,335,958 0:12:13.3 22 : 6,500-34,999 402 3,859,098 0:10:29.4 23 : 35,000-126,499 75 3,859,098 0:10:29.4 23 : 35,000-126,499 75 3,377,123 0:00:14.3 24 : 126,500 & above 27 3,377,123 0:00:14.3 21 : 0-6,499 2	Order Size Buckets Code: Share Size Range Number of Orders Total Executed Shares SWA Execution Speed SWA Execution Speed SWA Realized Spread (N) 24 : 126,500 & above 63 7,152,702 0:22:37.2 0.0887 21 : 0-6,499 12 18,042 0:00:00.0 0.0121 22 : 6,500-34,999 29 325,954 0:00:49.6 0.0226 23 : 35,000-126,499 36 1,126,890 0:15:14.0 0.0064 24 : 126,500 & above 24 1,997,037 0:33:27.5 0.0143 21 : 0-6,499 1,331 1,736,003 0:08:27.2 0.0828 22 : 6,500-34,999 740 7,773,755 0:09:28.1 0.0815 23 : 35,000-126,499 496 21,565,613 0:06:34.8 0.0766 24 : 126,500 & above 189 72,265,884 0:03:20.6 0.1754 21 : 0-6,499 1,077 1,335,958 0:12:13.3 0.0930 22 : 6,500-34,999 402 3,859,098 0:10:29.4 0.1011 23 : 35,000-126,499 75 3,541,047	Order Size Buckets Code: Share Size Range Number of Orders Total Executed Shares SWA Sweet SWA Realized Spread (N) Market/ Marketable Limit Executed Shares 24 : 126,500 & above 63 7,152,702 0:22:37.2 0.0887 6,493,350 21 : 0-6,499 12 18,042 0:00:00.0 0.0121 18,042 22 : 6,500-34,999 29 325,954 0:00:49.6 0.0226 325,954 23 : 35,000-126,499 36 1,126,890 0:15:14.0 0.0064 834,828 24 : 126,500 & above 24 1,997,037 0:33:27.5 0.0143 1,533,987 21 : 0-6,499 1,331 1,736,003 0:08:27.2 0.0828 1,149,012 22 : 6,500-34,999 740 7,773,755 0:09:28.1 0.0815 4,930,386 23 : 35,000-126,499 1,077 1,335,958 0:13:21.3 0.0930 933,556 22 : 6,500-34,999 1,077 1,335,958 0:10:29.4 0.1011 2,830,737 21 : 0-6,499 1,077 3,541,047 0:04:03.0 0.0768 2,830,73	Order Size Buckets Code: Share Size Range Number of Order Total Shares SWA Speed SWA Realized Spread Market/ Marketable Limit Spread SWA Spread SWA Spread Market/ Marketable Limit Spread SWA Spread SWA Spread Market/ Spread SWA Spread SWA Spread SWA Spread SWA Spread Market/ Spread SWA Spread SWA Spread SWA Spread Market/ Spread SWA Spread Spread <th< td=""><td>Order Size Buckets Code: Share Size Range Number Orders Total Shares SWA Shares SWA Speed SWA Realized Speed Market/ Marketable Limit Speed(N) SWA Speed(N) Market/ Speed(N) SWA Speed(N) SWA Speed(N)</td><td>Order Size Buckets Number of orders Total Executed Shares SWA Speed SWA Speed SWA Speed Market/ Speed SWA Executed Shares SWA Spread Price Spread SWA Spread SWA Effective Price Spread SWA Spread SWA Spread Market/ Spread SWA Spread SWA Spread</td><td>Order Size Buckets Code: Share Size Range Number Shares Total Shares SWA Speed SWA Realized Spread (N Market/ Marketable Limit Executed Shares SWA Spread (N Price Spread (N SWA Shares SWA Price Spread (N SWA Shares SWA Spread (N SWA Sprea</td></th<>	Order Size Buckets Code: Share Size Range Number Orders Total Shares SWA Shares SWA Speed SWA Realized Speed Market/ Marketable Limit Speed(N) SWA Speed(N) Market/ Speed(N) SWA Speed(N)	Order Size Buckets Number of orders Total Executed Shares SWA Speed SWA Speed SWA Speed Market/ Speed SWA Executed Shares SWA Spread Price Spread SWA Spread SWA Effective Price Spread SWA Spread SWA Spread Market/ Spread SWA Spread	Order Size Buckets Code: Share Size Range Number Shares Total Shares SWA Speed SWA Realized Spread (N Market/ Marketable Limit Executed Shares SWA Spread (N Price Spread (N SWA Shares SWA Price Spread (N SWA Shares SWA Spread (N SWA Sprea

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated.

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	ition	м	arket and M	larketable Li	mit orde	er execut	ion information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	Pr	VA ice np. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
FTNCOCOA	23 : 35,000-126,499	18	1,368,420	0:00:00.0	0.0000	1,368,420	0.0000		-		-	-
FTNCOCOA	24 : 126,500 & above	19	6,888,609	0:00:00.0	0.0000	6,888,609	0.0000		-			_
GLAXOSMITH	21 : 0-6,499	461	569,850	0:10:33.4	0.2774	470,594	0.4100		-		20,913	0.4055
GLAXOSMITH	22 : 6,500-34,999	234	1,895,270	0:13:44.6	0.1042	1,362,675	0.3253		-		111,211	0.4059
GLAXOSMITH	23 : 35,000-126,499	137	5,532,879	0:04:01.6	0.2608	4,818,487	0.4500		-		613,616	0.4219
GLAXOSMITH	24 : 126,500 & above	58	19,974,528	0:16:00.6	-0.1075	16,777,952	0.3519		-		3,449,312	0.1243
GUARANTY	21 : 0-6,499	2,726	3,663,158	0:06:28.0	0.0954	2,457,423	0.1722		125	0.0900	0 166,908	0.1010
GUARANTY	22 : 6,500-34,999	1,436	16,256,991	0:06:20.9	0.0613	10,403,514	0.1564		-		945,130	0.0917
GUARANTY	23 : 35,000-126,499	1,287	52,782,529	0:07:12.1	0.0630	28,852,008	0.1591		-		4,261,244	0.1247
GUARANTY	24 : 126,500 & above	856	541,749,724	0:01:49.5	0.0946	384,768,661	0.3749		-		194,205,661	0.2850
GUINEAINS	21 : 0-6,499	4	4,750	0:00:00.0	0.0000	4,750	0.0000		-			
GUINNESS	21 : 0-6,499	810	743,045	0:06:38.3	0.3001	. 531,331	0.8805		6,265	0.2000	63,958	0.1317
GUINNESS	22 : 6,500-34,999	325	2,582,833	0:05:14.5	0.3319	1,954,607	0.9553		-		281,658	0.2405
GUINNESS	23 : 35,000-126,499	74	2,269,239	0:05:42.3	0.4071	1,668,770	0.8671		-		374,545	0.0713
GUINNESS	24 : 126,500 & above	21	8,802,422	0:00:03.3	0.0320	5,243,264	0.8991		-		658,313	0.2385

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated.

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and M	larketable Lir	mit order execu	tion information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
HMARKINS	21 : 0-6,499	54	67,939	0:09:00.4	0.0018	54,741	0.0064	ļ	-		-
HMARKINS	22 : 6,500-34,999	47	257,970	0:03:11.0	0.0036	207,970	0.0072		-		-
HMARKINS	23 : 35,000-126,499	70	2,515,971	0:12:30.6	0.0027	2,240,871	0.0042		-		-
HMARKINS	24 : 126,500 & above	108	16,701,007	0:12:20.4	0.0021	14,501,007	0.0049)	-	1,500	0.0100
HONYFLOUR	21 : 0-6,499	415	706,599	0:13:01.7	0.0233	489,632	0.0250	1	-	5,150	0.0066
HONYFLOUR	22 : 6,500-34,999	579	6,435,074	0:15:34.6	0.0082	3,931,407	0.0208	}	-	126,707	7 0.0398
HONYFLOUR	23 : 35,000-126,499	646	21,395,147	0:22:11.8	0.0022	12,356,942	0.0187	,	-	742,210	0.0143
HONYFLOUR	24 : 126,500 & above	401	114,586,355	0:11:58.0	0.0603	90,899,782	0.1160)	-	55,262,311	L 0.0882
INFINITY	21 : 0-6,499	6	2,379	0:00:00.0	0.0000	2,379	0.0000	1	-		-
INTBREW	21 : 0-6,499	309	308,333	0:10:55.1	0.3928	219,201	0.7954	ŀ	-	2,240	0.7947
INTBREW	22 : 6,500-34,999	151	1,359,880	0:16:11.8	0.1312	850,591	0.5843		-	122,230	0.1750
INTBREW	23 : 35,000-126,499	101	3,687,102	0:17:20.8	0.6144	2,650,997	0.8204		-	608,055	5 0.2372
INTBREW	24 : 126,500 & above	32	25,304,075	0:03:19.7	0.0062	14,090,593	0.8897	,	-	2,492,816	5 0.5472
INTENEGINS	21 : 0-6,499	5	1,501	0:03:55.1	-0.0133	501	0.0000)	-		-
INTENEGINS	22 : 6,500-34,999	2	-	0:00:00.0		-			-		-

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated.

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	M	larket and M	larketable Limit o	rder execut	ion information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
INTENEGINS	23 : 35,000-126,499	2	97,041	0:00:00.0	0.0000	97,041	0.0000	-			-
INTENEGINS	24 : 126,500 & above	2	-	0:00:00.0		-	-	-		-	-
JAPAULOIL	21 : 0-6,499	395	798,412	0:04:00.9	0.0041	715,800	0.0060	-		32,877	0.0323
JAPAULOIL	22 : 6,500-34,999	617	7,340,991	0:04:14.9	0.0062	6,552,961	0.0080	-		477,278	3 0.0270
JAPAULOIL	23 : 35,000-126,499	806	35,128,577	0:07:34.0	0.0019	27,878,727	0.0070	-		1,475,847	7 0.0303
JAPAULOIL	24 : 126,500 & above	1,295	423,422,652	0:11:33.8	0.0021	350,523,677	0.0106	1,850,000	0.0400	38,528,977	0.0170
JBERGER	21 : 0-6,499	373	385,651	0:10:58.2	0.1489	281,571	0.3923	-		17,070	0.1280
JBERGER	22 : 6,500-34,999	153	1,267,336	0:28:46.5	0.0212	2 742,052	0.3172	-		202,060	0.1027
JBERGER	23 : 35,000-126,499	41	796,786	0:06:47.6	0.0898	558,532	0.3096	-		270,527	0.0690
JBERGER	24 : 126,500 & above	16	666,667	1:44:28.3	-0.1926	5 212,623	0.1137	-		200,000	0.1360
JOHNHOLT	21 : 0-6,499	50	64,442	0:06:55.8	0.0161	. 57,332	0.0131	-			-
JOHNHOLT	22 : 6,500-34,999	9	69,762	0:17:58.4	0.0093	58,338	3 0.0136	-		15,000	0.0190
JOHNHOLT	23 : 35,000-126,499	23	965,806	0:44:04.9	0.0117	684,338	8 0.0173	-		48,000	0.0320
JOHNHOLT	24 : 126,500 & above	20	3,442,177	0:28:00.4	0.0006	5 1,711,653	0.0109	-		520,995	5 0.0068
JULI	21:0-6,499	1	10	0:00:00.0	0.0000) 10	0.0000	-			-

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated.

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	м	arket and M	larketable Lii	mit order execu	tion information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
LASACO	21 : 0-6,499	100	207,528	0:09:45.6	0.0051	171,678	0.0077		-	5,000	0.0100
LASACO	22 : 6,500-34,999	146	1,630,821	0:15:23.6	0.0039	1,437,426	0.0070		-	10,000	0.0100
LASACO	23 : 35,000-126,499	254	12,457,687	0:10:51.5	0.0039	10,486,680	0.0075		-	386,910	0.0098
LASACO	24 : 126,500 & above	376	146,179,335	0:17:32.5	0.0031	105,251,018	0.0092		-	13,497,692	0.0098
LAWUNION	21 : 0-6,499	50	76,488	0:02:56.9	0.0285	69,243	0.0285		-	3,000	0.0087
LAWUNION	22 : 6,500-34,999	55	722,073	0:08:01.7	0.0260	622,736	0.0244		-		-
LAWUNION	23 : 35,000-126,499	99	3,220,631	0:15:34.6	0.0066	2,168,620	0.0214		-	174,000	0.0142
LAWUNION	24 : 126,500 & above	36	2,815,660	0:20:36.8	0.0056	2,005,730	0.0188		-	147,500	0.0072
LEARNAFRCA	21 : 0-6,499	79	91,052	0:08:57.5	0.0185	70,035	0.0222		-	2,700	0.0063
LEARNAFRCA	22 : 6,500-34,999	62	524,498	0:14:20.6	-0.0031	. 362,383	0.0166		-		-
LEARNAFRCA	23:35,000-126,499	82	2,521,376	0:32:54.9	0.0024	1,444,150	0.0223		-	74,000	0.0165
LEARNAFRCA	24 : 126,500 & above	41	12,657,719	0:05:02.6	0.0044	7,720,485	0.0243		-	630,000	0.0146
LINKASSURE	21 : 0-6,499	63	117,554	0:17:23.7	0.0117	94,554	0.0202		-	5,001	0.0100
LINKASSURE	22 : 6,500-34,999	81	891,040	0:07:31.4	0.0104	672,381	0.0188		-	53,566	6 0.0079
LINKASSURE	23 : 35,000-126,499	76	3,276,955	0:12:22.2	0.0016	2,469,499	0.0188		-	75,000	0.0100

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated.

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution information	tion	М	arket and M	larketable Lir	nit order execu	tion information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
LINKASSURE	24 : 126,500 & above	101	56,363,132	0:15:22.1	0.0031	41,098,872	0.0212		-	18,068,266	0.0122
LIVESTOCK	21 : 0-6,499	208	337,865	0:16:52.6	0.0099	222,931	0.0182		-	7,950	0.0187
LIVESTOCK	22 : 6,500-34,999	227	2,419,631	0:23:44.7	0.0092	1,622,782	0.0184		-	59,530	0.0101
LIVESTOCK	23 : 35,000-126,499	279	9,766,350	0:28:52.1	0.0066	6,656,561	0.0203		-	976,605	0.0115
LIVESTOCK	24 : 126,500 & above	177	27,704,671	0:42:51.3	0.0061	22,610,752	0.0206		-	2,647,172	0.0208
MANSARD	21 : 0-6,499	107	155,312	0:30:44.1	0.0341	97,694	0.0692		-	340	0.0097
MANSARD	22 : 6,500-34,999	59	639,615	0:11:26.0	0.0697	471,945	0.0844		-	54,000	0.0582
MANSARD	23 : 35,000-126,499	51	1,997,983	0:19:35.5	0.0001	947,409	0.0574		-	100,000	0.0686
MANSARD	24 : 126,500 & above	73	162,002,616	0:01:29.9	0.0027	84,232,665	0.0499		-	27,194,291	0.0395
MAYBAKER	21 : 0-6,499	240	396,995	0:10:47.0	0.0213	306,305	0.0472		-	500	0.0223
MAYBAKER	22 : 6,500-34,999	276	2,423,194	0:25:01.4	0.0173	1,551,166	0.0450		-	189,280	0.0264
MAYBAKER	23 : 35,000-126,499	238	7,647,840	0:29:23.1	0.0055	4,849,832	0.0492		-	449,278	0.0144
MAYBAKER	24 : 126,500 & above	69	3,516,831	0:29:56.3	0.0090	2,534,825	0.0760		-	618,400	0.0610
MBENEFIT	21 : 0-6,499	17	17,151	0:00:24.5	0.0041	16,151	0.0012		-		
MBENEFIT	22 : 6,500-34,999	12	102,200	0:00:00.0	0.0022	102,200	0.0022		-		

Guidance:

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	ition	М	arket and M	larketable Lim	it order execu	ition information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
MBENEFIT	23 : 35,000-126,499	12	609,900	0:04:56.4	0.0092	2 609,900	0.0092		-		-
MBENEFIT	24 : 126,500 & above	35	9,665,978	0:10:27.1	-0.0001	5,472,650	0.0073		-		-
MCNICHOLS	21 : 0-6,499	19	33,708	0:30:31.0	0.0272	2 29,308	0.0403		-		-
MCNICHOLS	22 : 6,500-34,999	6	46,400	0:00:00.0	0.0992	2 46,400	0.0922		-		-
MCNICHOLS	23 : 35,000-126,499	6	310,000	0:11:02.4	-0.0008	3 307,000	0.0000		-		-
MCNICHOLS	24 : 126,500 & above	6	12,854,955	0:00:01.9	0.0000) 12,854,955	0.0000		-		-
MEYER	21 : 0-6,499	26	21,747	0:26:37.5	0.0336	5 16,873	0.0330		-		-
MEYER	22 : 6,500-34,999	7	48,106	0:00:00.0	0.0625	5 48,106	0.0563		-	30,00	0 0.0097
MEYER	23 : 35,000-126,499	10	405,031	0:41:58.0	0.0271	l 311,750	0.0470		-	111,00	0 0.0293
MOBIL	21 : 0-6,499	477	301,949	0:25:47.4	0.6105	5 188,047	2.4617		349 0.10	00 42,33	0.8427
MOBIL	22 : 6,500-34,999	59	594,556	0:20:24.8	0.7220) 414,763	2.3594		-	109,35	5 1.0972
MOBIL	23:35,000-126,499	56	1,177,134	0:16:51.9	0.2694	828,914	4.4929		-	321,33	3.3476
MORISON	21 : 0-6,499	3	3,011	0:00:00.0	0.0000) 3,011	0.0000		-		-
MORISON	22 : 6,500-34,999	2	20,468	0:00:00.0	0.0000) 20,468	0.0000		-		-
MORISON	23 : 35,000-126,499	2	-	0:00:00.0)	-	-		-		-

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated.

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and M	larketable Li	mit order execu	tion information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
MORISON	24 : 126,500 & above	2	303,750	0:01:43.3	0.0000	303,750	0.0000		-	-	-
MRS	21 : 0-6,499	292	255,951	0:20:09.4	0.3532	178,030	0.6182		-	10,778	0.2557
MRS	22 : 6,500-34,999	108	635,883	0:21:31.7	0.1611	426,948	0.6195		-	104,133	0.3493
MRS	23 : 35,000-126,499	14	26,246	1:46:28.6	-0.0807	13,856	0.3874		-		-
MRS	24 : 126,500 & above	2	127,082	0:00:00.0	0.0000	127,082	0.0000		-	-	-
MULTITREX	21 : 0-6,499	2	19	0:00:00.0	0.0000) 19	0.0000		-	-	-
MULTITREX	22 : 6,500-34,999	1	15,000	0:00:00.0	0.0000	15,000	0.0000		-	-	-
MULTITREX	24 : 126,500 & above	6	60,000,000	0:00:00.0	0.0000	60,000,000	0.0000		-		-
MULTIVERSE	21 : 0-6,499	40	86,514	0:03:01.8	0.0029	73,514	0.0043		-	-	-
MULTIVERSE	22 : 6,500-34,999	51	586,364	0:12:47.3	0.0004	443,864	0.0057		-	30,000	0.0100
MULTIVERSE	23 : 35,000-126,499	109	6,436,334	0:14:42.6	0.0014	4,616,534	0.0068		-	175,781	0.0100
MULTIVERSE	24 : 126,500 & above	238	91,011,766	0:17:19.0	0.0022	66,074,340	0.0086		-	11,277,550	0.0141
NAHCO	21 : 0-6,499	373	510,004	0:13:12.5	0.0541	. 340,745	0.0858		-	29,886	0.0405
NAHCO	22 : 6,500-34,999	321	2,046,087	0:22:13.7	0.0140	1,190,968	0.0663		-	287,809	0.0236
NAHCO	23:35,000-126,499	171	3,435,289	0:34:30.0	-0.0269	1,762,238	0.0478		-	278,963	0.0149

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated.

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	M	arket and M	larketable	Limit or	der executi	on information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares		SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
NAHCO	24 : 126,500 & above	50	5,443,417	0:03:20.1	0.0371	4,000,011	0.1226		-		1,414,991	0.0335
NASCON	21 : 0-6,499	690	955,938	0:13:37.4	0.0608	612,519	0.2093		4,000	0.0500	43,481	0.0974
NASCON	22 : 6,500-34,999	429	3,812,107	0:12:31.3	0.0638	3 2,471,057	0.2413		-		441,366	0.1998
NASCON	23 : 35,000-126,499	296	9,027,930	0:14:23.9	0.1107	5,794,090	0.1839		50,000	0.1000	1,204,385	0.1184
NASCON	24 : 126,500 & above	67	31,952,226	0:00:53.7	0.5312	2 22,655,601	0.5349		-		8,896,469	0.3082
NB	21 : 0-6,499	1,597	1,773,157	0:09:20.6	0.2877	1,085,433	0.4781		4,682	0.1037	103,635	0.1000
NB	22 : 6,500-34,999	788	6,393,362	0:11:25.7	0.1450	4,093,452	0.4563		-		685,892	0.1563
NB	23 : 35,000-126,499	225	7,988,373	0:09:20.5	0.3282	6,176,296	0.7843		-		1,762,886	0.3706
NB	24 : 126,500 & above	79	57,878,812	0:02:03.3	0.0393	31,531,386	0.6924		-		18,886,943	0.2146
NCR	21 : 0-6,499	7	2,085	0:00:00.0	0.0000) 2,085	0.0000		-		-	-
NEIMETH	21 : 0-6,499	29	75,899	0:00:00.0	0.0000) 75,899	0.0000		-		-	-
NEIMETH	22 : 6,500-34,999	25	234,420	0:00:00.0	0.0000) 234,420	0.0000		-			-
NEIMETH	23 : 35,000-126,499	7	483,757	0:00:00.0	0.0000) 483,757	0.0000		-			-
NEIMETH	24 : 126,500 & above	5	-	0:00:00.0)	-	-		-		-	-
NEM	21:0-6,499	163	299,109	0:15:19.0	0.0293	3 191,894	0.0509		-			-

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated.

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	M	arket and M	larketable Li	mit order execu	tion information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
NEM	22 : 6,500-34,999	229	2,740,195	0:12:08.9	0.0291	1,932,910	0.0516		-	10,000	0.0192
NEM	23 : 35,000-126,499	234	12,500,863	0:15:38.6	0.0114	7,582,779	0.0530		-	425,700	0.0278
NEM	24 : 126,500 & above	210	41,104,348	0:11:36.1	0.0248	27,931,368	0.0819		-	10,941,159	0.0260
NESF	21 : 0-6,499	3	209	0:00:00.0	3.4450	209	3.4450		-	160	2.2500
NESTLE	21 : 0-6,499	1,271	622,545	0:06:23.7	7.8275	410,056	12.9939		-	85,936	5.2017
NESTLE	22 : 6,500-34,999	206	1,161,322	0:10:06.6	5.3877	721,395	13.4746		-	268,373	4.0909
NESTLE	23 : 35,000-126,499	21	1,181,163	0:00:05.1	4.2003	797,910	21.1577		-	398,651	4.1620
NESTLE	24 : 126,500 & above	7	2,139,125	0:00:57.3	-3.5871	1,538,355	30.6179		-	1,538,355	9.3155
NIGERINS	21 : 0-6,499	14	18,131	0:00:00.0	0.0000	18,131	0.0000		-		
NIGERINS	22 : 6,500-34,999	3	30,476	0:00:00.0	0.0000	30,476	0.0000		-		
NIGERINS	23 : 35,000-126,499	7	465,523	0:00:00.0	0.0000	465,523	0.0000		-		
NIGERINS	24 : 126,500 & above	2	401,688	0:00:00.0	0.0000	401,688	0.0000		-		
NNFM	21 : 0-6,499	44	42,689	0:16:23.7	0.0777	30,059	0.1601		-	1,600	0.0478
NNFM	22 : 6,500-34,999	54	307,735	0:09:51.5	-0.1010	145,736	0.1121		-	15,002	0.0320
NNFM	23:35,000-126,499	16	792,743	0:03:46.2	0.0285	792,743	0.0969		-		

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated.

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	ition	М	arket and M	larketable Li	mit order execu	tion information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
NNFM	24 : 126,500 & above	6	336,025	0:12:22.2	0.3322	336,025	0.3322		-	-	-
NPFMCRFBK	21 : 0-6,499	67	71,193	0:04:37.5	0.0146	64,485	0.0296	1	-	4,000	0.0093
NPFMCRFBK	22 : 6,500-34,999	71	502,773	0:23:29.4	0.0571	420,804	0.0769		-	61,300	0.0554
NPFMCRFBK	23 : 35,000-126,499	61	1,842,017	0:41:38.5	-0.0250	850,092	0.0357		-	186,408	0.0133
NPFMCRFBK	24 : 126,500 & above	20	9,335,680	0:08:30.7	0.0959	6,499,000	0.0689		-	1,617,260	0.1196
NSLTECH	21 : 0-6,499	3	100	0:00:00.0	0.0100	100	0.0100	1	-		-
OANDO	21 : 0-6,499	137	185,785	0:00:02.6	0.0000	185,785	0.0000	1	-		-
OANDO	22 : 6,500-34,999	44	662,566	0:00:00.0	0.0000	662,566	0.0000		-	-	-
OANDO	23 : 35,000-126,499	25	1,640,233	0:00:00.0	0.0000	1,640,233	0.0000		-	-	-
OANDO	24 : 126,500 & above	25	17,393,343	0:00:00.0	0.0000	17,393,343	0.0000		-	-	-
OKOMUOIL	21 : 0-6,499	339	278,106	0:17:03.2	0.2805	175,714	1.0942		-	21,139	0.2237
OKOMUOIL	22 : 6,500-34,999	97	630,172	0:28:19.6	0.5864	438,868	1.2167		-	79,545	0.1270
OKOMUOIL	23 : 35,000-126,499	41	659,769	0:02:14.9	1.0579	512,984	1.5654		-	152,500	0.1999
OKOMUOIL	24 : 126,500 & above	21	505,000	0:09:55.8	0.2395	445,000	4.0975		-	445,000	1.4205
PAINTCOM	21 : 0-6,499	1	. 2,000	0:00:00.0	0.0000	2,000	0.0000	1	-	-	-

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated.

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution inform	ation	M	arket and M	larketable Li	mit order execu	tion information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
PAINTCOM	22 : 6,500-34,999	1	13,00	0 0:00:00.0	0.0100) 13,000	0.0100		-		-
PAINTCOM	23 : 35,000-126,499	2	37,00	0 0:01:18.3	3 0.0000) 37,000	0.0000	I	-		-
PHARMDEKO	21 : 0-6,499	4	4,22	0 0:16:34.3	3 0.0047	4,220	0.0047	1	-	1,000	0.0100
PHARMDEKO	22 : 6,500-34,999	4	45,71	0 0:58:52.4	1 0.0049	9 45,710	0.0049	1	-		-
PORTPAINT	21 : 0-6,499	12	4,23	1 0:00:00.4	4 0.0212	2 4,181	0.0236		-		_
PORTPAINT	22 : 6,500-34,999	11	170,22	8 0:14:14.8	3 0.0298	3 140,053	0.0607	1	-		_
PORTPAINT	23 : 35,000-126,499	10	377,28	0 0:09:30.7	7 -0.0545	5 301,003	0.0213		-	35,831	1 0.1124
PORTPAINT	24 : 126,500 & above	2	94,49	9 0:00:00.0	-0.2000) 94,499	0.0000	I	-		-
PRESCO	21 : 0-6,499	343	249,58	1 0:22:19.9	9 0.7950) 136,186	1.4501		-	22,177	7 0.2891
PRESCO	22 : 6,500-34,999	171	1,096,44	0 0:13:30.	7 1.0229	759,772	1.7041		-	128,267	7 0.4160
PRESCO	23 : 35,000-126,499	61	1,626,24	8 0:19:29.0	5 0.7647	1,020,196	1.9353		-	488,211	1 0.8400
PRESCO	24 : 126,500 & above	32	28,346,55	9 0:01:08.0	5 0.5161	. 19,130,390	2.2364		-	5,404,932	2 0.2891
PRESTIGE	21 : 0-6,499	32	30,50	5 0:24:27.9	9 0.0139	21,505	0.0144		-		-
PRESTIGE	22 : 6,500-34,999	26	322,01	3 0:03:28.2	2 0.0159	252,493	0.0165		-	15,000	0.0187
PRESTIGE	23 : 35,000-126,499	24	690,80	1 0:22:48.	5 0.0187	600,130	0.0205		-		-

Guidance:

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	M	arket and M	larketable Li	mit order execu	tion information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
PRESTIGE	24 : 126,500 & above	68	23,968,883	0:14:10.0	0.0110	20,563,885	0.0184		-	2,066,191	0.0100
PZ	21 : 0-6,499	523	673,138	0:13:31.6	0.1999	461,447	0.3211		-	32,373	0.1028
PZ	22 : 6,500-34,999	189	1,505,751	0:16:28.0	0.0789	1,019,099	0.3213		-	187,065	0.1298
PZ	23 : 35,000-126,499	85	2,673,949	0:13:43.8	0.3894	2,144,422	0.5190		-	510,970	0.1055
PZ	24 : 126,500 & above	20	3,666,663	0:09:04.5	0.1993	3,211,045	0.5305		-	1,689,798	0.0964
REDSTAREX	21 : 0-6,499	143	99,253	0:22:58.3	0.0989	76,215	0.1968		-	13,821	0.2620
REDSTAREX	22 : 6,500-34,999	57	390,968	0:10:16.7	0.1727	332,767	0.2105		-	55,200	0.1230
REDSTAREX	23 : 35,000-126,499	13	268,419	1:20:45.8	-0.0332	201,719	0.1021		-	31,836	6 0.1000
REGALINS	21 : 0-6,499	47	87,610	0:07:08.4	-0.0022	76,860	0.0042		-	275	5 0.0100
REGALINS	22 : 6,500-34,999	50	881,178	0:08:59.3	0.0030	687,991	0.0050		-	-	-
REGALINS	23 : 35,000-126,499	151	9,220,245	0:04:50.8	-0.0015	6,240,405	0.0035		-	-	-
REGALINS	24 : 126,500 & above	410	307,277,294	0:10:23.6	0.0011	253,252,548	0.0061		-	4,024,000	0.0099
ROYALEX	21 : 0-6,499	33	46,704	0:08:17.7	0.0082	44,503	0.0093		-		-
ROYALEX	22 : 6,500-34,999	32	243,969	0:17:15.5	0.0043	190,649	0.0045		-	-	-
ROYALEX	23:35,000-126,499	55	3,258,140	0:18:22.6	-0.0004	2,358,033	0.0053		-	-	-

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

Order Bucke	ets	All order	execution informa	tion	м	arket and M	larketable Lir	nit order execu	tion information	
Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
24 : 126,500 & above	104	71,605,345	1:15:54.9	0.0082	67,990,385	0.0090		-	200,000	0.0078
21 : 0-6,499	8	9,395	0:00:00.0	0.0000	9,395	0.0000		-	-	
22 : 6,500-34,999	1	13,022	0:00:00.0	0.0000	13,022	0.0000		-	-	
23 : 35,000-126,499	1	100,000	0:00:00.0	0.0000	100,000	0.0000		-		
24 : 126,500 & above	1	150,000	0:00:00.0	0.0000	150,000	0.0000		-		
21 : 0-6,499	11	7,969	0:00:00.0	0.0000	7,969	0.0000		-		
21 : 0-6,499	428	220,248	0:15:48.0	2.8671	148,311	9.2044		-	30,008	1.3451
22 : 6,500-34,999	186	1,064,781	0:14:31.1	1.3822	690,778	10.9987		-	182,181	3.5381
23 : 35,000-126,499	16	530,895	0:03:06.6	4.7524	374,645	18.3850		-	123,575	5.4796
24 : 126,500 & above	6	1,203,372	0:00:00.4	14.7268	1,053,372	23.7401		-	403,372	15.6005
21 : 0-6,499	440	781,792	0:11:26.5	0.0056	570,989	0.0128		-	19,661	0.0091
22 : 6,500-34,999	368	4,221,180	0:14:05.3	0.0069	2,870,167	0.0128		-	143,328	0.0118
23 : 35,000-126,499	431	20,109,188	0:15:06.1	0.0027	12,945,359	0.0114		-	940,620	0.0123
24 : 126,500 & above	561	230,586,098	0:14:43.9	0.0027	178,072,077	0.0156		-	34,886,659	0.0123
21 : 0-6,499	6	419	0:00:00.0	0.0000	419	0.0000		-		
	Order Size Buckets Code: Share Size Range 24 : 126,500 & above 21 : 0-6,499 22 : 6,500-34,999 23 : 35,000-126,499 24 : 126,500 & above 21 : 0-6,499 21 : 0-6,499 22 : 6,500-34,999 23 : 35,000-126,499 24 : 126,500 & above 21 : 0-6,499 22 : 6,500-34,999 23 : 35,000-126,499 23 : 35,000-126,499	of Orders 24 : 126,500 & above 104 21 : 0-6,499 8 22 : 6,500-34,999 1 23 : 35,000-126,499 1 24 : 126,500 & above 1 21 : 0-6,499 1 21 : 0-6,499 1 21 : 0-6,499 1 21 : 0-6,499 1 21 : 0-6,499 1 21 : 0-6,499 1 21 : 0-6,499 1 21 : 0-6,499 16 23 : 35,000-126,499 16 24 : 126,500 & above 6 21 : 0-6,499 440 22 : 6,500-34,999 368 23 : 35,000-126,499 431 24 : 126,500 & above 561	Order Size Buckets Number of Total Executed Shares 24 : 126,500 & above 104 71,605,345 21 : 0-6,499 8 9,395 22 : 6,500-34,999 1 13,022 23 : 35,000-126,499 1 100,000 24 : 126,500 & above 1 100,000 24 : 126,500 & above 1 150,000 24 : 126,500 & above 1 7,969 21 : 0-6,499 428 220,248 22 : 6,500-34,999 186 1,064,781 23 : 35,000-126,499 16 530,895 24 : 126,500 & above 6 1,203,372 21 : 0-6,499 440 781,792 22 : 6,500-34,999 368 4,221,180 23 : 35,000-126,499 368 4,221,180 23 : 35,000-126,499 431 20,109,188 24 : 126,500 & above 561 230,586,098	Order Size Buckets Code: Share Size Range Number of Orders Total Executed Shares SWA Execution Speed 24 : 126,500 & above 104 71,605,345 1:15:54.9 21 : 0-6,499 8 9,395 0:00:00.0 22 : 6,500-34,999 1 13,022 0:00:00.0 23 : 35,000-126,499 1 100,000 0:00:00.0 24 : 126,500 & above 1 150,000 0:00:00.0 21 : 0-6,499 11 7,969 0:00:00.0 21 : 0-6,499 11 7,969 0:00:00.0 21 : 0-6,499 16 530,895 0:03:06.6 22 : 6,500-34,999 16 530,895 0:03:06.6 24 : 126,500 & above 6 1,203,372 0:00:00.4 21 : 0-6,499 440 781,792 0:11:26.5 22 : 6,500-34,999 368 4,221,180 0:14:05.3 23 : 35,000-126,499 431 20,109,188 0:15:06.1 24 : 126,500 & above 561 230,586,098 0:14:43.9	Order Size Buckets Code: Share Size RangeNumber of OrdersTotal Executed SharesSWA Execution SpeedSWA Realized Spread (N)24 : 126,500 & above10471,605,3451:15:54.90.008221 : 0-6,49989,3950:00:00.00.000022 : 6,500-34,999113,0220:00:00.00.000023 : 35,000-126,4991100,0000:00:00.00.000024 : 126,500 & above1150,0000:00:00.00.000021 : 0-6,499117,9690:00:00.00.000021 : 0-6,499117,9690:00:00.00.000021 : 0-6,49916530,8950:03:06.64.752422 : 6,500-34,99916530,8950:03:06.64.752424 : 126,500 & above61,203,3720:00:00.414.726821 : 0-6,499440781,7920:11:26.50.005622 : 6,500-34,9993684,221,1800:14:05.30.006923 : 35,000-126,49943120,109,1880:15:06.10.002724 : 126,500 & above561230,586,0980:14:43.90.0027	Order Size Buckets Code: Share Size Range Number Orders Total Executed Shares SWA Executed Speed SWA Realized Speed Market/ Realized Speed Market/ Marketable Limit Executed Shares 24 : 126,500 & above 104 71,605,345 1:15:54.9 0.0082 67,990,385 21 : 0-6,499 8 9,395 0:00:00.0 0.0000 9,395 22 : 6,500-34,999 1 13,022 0:00:00.0 0.0000 13,022 23 : 35,000-126,499 1 100,000 0:00:00.0 0.0000 100,000 24 : 126,500 & above 1 7,969 0:00:00.0 0.0000 150,000 21 : 0-6,499 428 220,248 0:15:48.0 2.8671 148,311 22 : 6,500-34,999 186 1,064,781 0:14:31.1 1.3822 690,778 23 : 35,000-126,499 16 530,895 0:03:06.6 4.7524 374,645 24 : 126,500 & above 6 1,203,372 0:00:04 14.7268 1,053,372 21 : 0-6,499 440 781,792 0:11:26.5 0.0056 <td< td=""><td>Order Size Buckets Code: Share Size Range Numbe of Orders Total Executed Shares SWA Execution Speed SWA Realized Spread (N) Market/ Realized Spread (N) SWA Executed Shares SWA Effective Spread (N) 24 : 126,500 & above 104 71,605,345 1:15:54.9 0.0082 67,990,385 0.0090 21 : 0-6,499 8 9,395 0:00:00.0 0.0000 9,395 0.0000 22 : 6,500-34,999 1 13,022 0:00:00.0 0.0000 13,022 0.0000 23 : 35,000-126,499 1 100,000 0:00:00.0 0.0000 100,000 0.0000 21 : 0-6,499 11 7,969 0:00:00.0 0.0000 150,000 0.0000 21 : 0-6,499 11 7,969 0:00:00.0 0.0000 7,969 0.0000 21 : 0-6,499 18 1,064,781 0:14:31.1 1.3822 690,778 10.9987 23 : 35,000-126,499 16 530,895 0:03:06.6 4.7524 374,645 18.3850 24 : 126,500 & above 6 1,203,372 0:01:04</td><td>Order Size Buckets Number of Orders Total Executed Shares SWA Execution Speed SWA Realized Spread (N) Market/ Marketable Limit Executed Shares SWA Effective Spread (N) Price Improved Shares 24 : 126,500 & above 104 71,605,345 1:15:54.9 0.0082 67,990,385 0.0090 21 : 0-6,499 8 9,395 0:00:00.0 0.0000 9,395 0.0000 22 : 6,500-34,999 1 13,022 0:00:00.0 0.0000 13,022 0.0000 23 : 35,000-126,499 1 100,000 0:00:00.0 0.0000 100,000 0.0000 24 : 126,500 & above 1 150,000 0:00:00.0 0.0000 100,000 0.0000 21 : 0-6,499 428 220,248 0:15:48.0 2.8671 148,311 9.2044 22 : 6,500-34,999 16 530,895 0:03:06.6 4.7524 374,645 18.3850 24 : 126,500 & above 6 1,203,372 0:00:00.4 14.7268 1,053,372 23.7401 21 : 0-6,499 440 781,792 0:11:</td><td>Order Size Buckets Code: Share Size Range Number of Order Total Shares SWA Execution Shares SWA Execution Spread SWA Realized Spread Market/ Marketable Limit Executed Shares SWA Spread Price Spread SWA Spread Price Spread SWA Spread Market/ Marketable Limit Executed Shares SWA Spread Price Spread SWA Spread Price Spread SWA Spread Price Spread SWA Spread Price Spread SWA Spread SWA Spre</td><td>Order Size Buckets Code: Share Size Range Number Orders Total Executed Shares SWA Execution Speed Market/ Realized Spread (N) Market/ Executed Shares SWA Spread (N) Price Spread (N) SWA Spread (N) Spread (N) Spread (N) SwA Spread (N)</td></td<>	Order Size Buckets Code: Share Size Range Numbe of Orders Total Executed Shares SWA Execution Speed SWA Realized Spread (N) Market/ Realized Spread (N) SWA Executed Shares SWA Effective Spread (N) 24 : 126,500 & above 104 71,605,345 1:15:54.9 0.0082 67,990,385 0.0090 21 : 0-6,499 8 9,395 0:00:00.0 0.0000 9,395 0.0000 22 : 6,500-34,999 1 13,022 0:00:00.0 0.0000 13,022 0.0000 23 : 35,000-126,499 1 100,000 0:00:00.0 0.0000 100,000 0.0000 21 : 0-6,499 11 7,969 0:00:00.0 0.0000 150,000 0.0000 21 : 0-6,499 11 7,969 0:00:00.0 0.0000 7,969 0.0000 21 : 0-6,499 18 1,064,781 0:14:31.1 1.3822 690,778 10.9987 23 : 35,000-126,499 16 530,895 0:03:06.6 4.7524 374,645 18.3850 24 : 126,500 & above 6 1,203,372 0:01:04	Order Size Buckets Number of Orders Total Executed Shares SWA Execution Speed SWA Realized Spread (N) Market/ Marketable Limit Executed Shares SWA Effective Spread (N) Price Improved Shares 24 : 126,500 & above 104 71,605,345 1:15:54.9 0.0082 67,990,385 0.0090 21 : 0-6,499 8 9,395 0:00:00.0 0.0000 9,395 0.0000 22 : 6,500-34,999 1 13,022 0:00:00.0 0.0000 13,022 0.0000 23 : 35,000-126,499 1 100,000 0:00:00.0 0.0000 100,000 0.0000 24 : 126,500 & above 1 150,000 0:00:00.0 0.0000 100,000 0.0000 21 : 0-6,499 428 220,248 0:15:48.0 2.8671 148,311 9.2044 22 : 6,500-34,999 16 530,895 0:03:06.6 4.7524 374,645 18.3850 24 : 126,500 & above 6 1,203,372 0:00:00.4 14.7268 1,053,372 23.7401 21 : 0-6,499 440 781,792 0:11:	Order Size Buckets Code: Share Size Range Number of Order Total Shares SWA Execution Shares SWA Execution Spread SWA Realized Spread Market/ Marketable Limit Executed Shares SWA Spread Price Spread SWA Spread Price Spread SWA Spread Market/ Marketable Limit Executed Shares SWA Spread Price Spread SWA Spread Price Spread SWA Spread Price Spread SWA Spread Price Spread SWA Spread SWA Spre	Order Size Buckets Code: Share Size Range Number Orders Total Executed Shares SWA Execution Speed Market/ Realized Spread (N) Market/ Executed Shares SWA Spread (N) Price Spread (N) SWA Spread (N) Spread (N) Spread (N) SwA Spread (N)

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated.

SWA stands for 'Share Weighted Average and signifies the statistic is computed by multiplying the shares executed by each trade's achieved statistic value and dividing over total shares applicable.

Executed shares, Execution Speed and Realized Spread are over all orders while the remaining statistics are on market or marketable limit orders (designated at entry time) only.

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	ition	Market and Marketable Limit order execution information						
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)	
SMURFIT	21 : 0-6,499	1	1,200	0:00:00.0	0.0000	1,200	0.0000		-		-	
SOVRENINS	21 : 0-6,499	13	22,736	0:00:00.0	0.0000	22,736	0.0000		-		-	
SOVRENINS	22 : 6,500-34,999	19	284,733	0:00:01.9	-0.0008	272,233	0.0000		-		-	
SOVRENINS	23 : 35,000-126,499	24	2,076,673	0:00:14.6	0.0000	2,076,673	0.0000		-		-	
SOVRENINS	24 : 126,500 & above	22	6,062,199	0:06:55.7	0.0009	6,062,199	0.0009		-		-	
STACO	21 : 0-6,499	6	3,210	0:00:00.0	0.0000	3,210	0.0000		-		-	
STACO	23 : 35,000-126,499	2	104,366	0:00:00.0	0.0000	104,366	0.0000		-		-	
STANBIC	21 : 0-6,499	442	501,111	0:05:17.3	0.5898	406,009	0.6325		-	6,720	0 0.3872	
STANBIC	22 : 6,500-34,999	236	2,194,952	0:08:12.2	0.2857	1,660,280	0.4616		-	144,273	3 0.2504	
STANBIC	23 : 35,000-126,499	334	7,080,667	0:13:07.1	0.0915	4,376,749	0.4404		-	731,735	5 0.0718	
STANBIC	24 : 126,500 & above	96	40,706,668	0:02:41.0	0.0603	22,867,418	0.4471		-	12,929,224	4 0.0888	
STDINSURE	21 : 0-6,499	6	2,322	0:00:00.0	0.0000	2,322	0.0000		-		-	
STDINSURE	22 : 6,500-34,999	3	45,000	0:00:00.0	0.0000	45,000	0.0000		-		-	
STDINSURE	23:35,000-126,499	2	100,000	0:00:00.0	0.0000	100,000	0.0000		-		-	
STERLNBANK	21 : 0-6,499	661	1,851,250	1:10:00.4	-0.0187	541,534	0.0093		-	5,63	1 0.0235	

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated.

SWA stands for 'Share Weighted Average and signifies the statistic is computed by multiplying the shares executed by each trade's achieved statistic value and dividing over total shares applicable.

Executed shares, Execution Speed and Realized Spread are over all orders while the remaining statistics are on market or marketable limit orders (designated at entry time) only.

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	м	arket and M	larketable Li	mit order exe	ecution information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N	Price Dis-Improved) Shares	SWA Price Dis-Imp. (N)
STERLNBANK	22 : 6,500-34,999	1,485	9,025,559	0:12:20.2	-0.0313	4,206,114	0.0172		-	477,142	0.0139
STERLNBANK	23 : 35,000-126,499	344	17,006,302	0:16:30.9	0.0091	10,532,634	0.0222		-	742,835	5 0.0143
STERLNBANK	24 : 126,500 & above	369	97,368,904	0:12:27.1	0.0113	69,723,085	0.0343		-	12,183,259	0.0214
STUDPRESS	21 : 0-6,499	1	-	0:00:00.0	1	-			-		-
STUDPRESS	22 : 6,500-34,999	3	67,122	0:17:07.3	0.0000	67,122	0.0000		-		-
TANTALIZER	21 : 0-6,499	4	3,011	0:00:00.0	0.0000	3,011	0.0000		-		-
TANTALIZER	23 : 35,000-126,499	6	600,000	0:00:00.0	0.0000	600,000	0.0000		-		-
THOMASWY	21 : 0-6,499	4	2,500	0:00:00.0	0.0000	2,500	0.0000		-		-
THOMASWY	22 : 6,500-34,999	3	12,500	0:00:00.0	0.0200	12,500	0.0200		-		-
THOMASWY	23 : 35,000-126,499	6	630,000	0:00:00.0	0.0000	630,000	0.0000		-		-
TIGERBRANDS	21 : 0-6,499	1,352	2,074,873	0:09:42.4	0.0568	1,418,373	0.1027		114 0.0	0500 80,539	0.0471
TIGERBRANDS	22 : 6,500-34,999	704	7,212,343	0:11:45.3	0.0352	4,417,143	0.0833		-	496,234	0.0536
TIGERBRANDS	23 : 35,000-126,499	491	17,955,414	0:16:46.1	0.0184	9,993,491	0.0837		-	2,718,945	5 0.0667
TIGERBRANDS	24 : 126,500 & above	98	19,641,889	0:04:26.1	0.1176	16,766,757	0.3265		-	8,058,531	0.1528
TOTAL	21 : 0-6,499	591	357,959	0:26:31.4	0.4447	198,447	2.2357		-	29,828	3 1.3190

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated.

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Executed shares, Execution Speed and Realized Spread are over all orders while the remaining statistics are on market or marketable limit orders (designated at entry time) only.

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	м	arket and M	larketable Li	mit order execu	tion information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
TOTAL	22 : 6,500-34,999	138	661,827	0:15:43.3	0.8186	388,512	3.2217		-	166,264	2.6093
TOTAL	23 : 35,000-126,499	7	48,000	0:00:00.0	2.9307	48,000	5.5370		-	43,000) 2.8195
TOTAL	24 : 126,500 & above	4	378,000	0:00:00.0	5.9584	378,000	5.0261		-	378,000	0.6921
TOURIST	21 : 0-6,499	2	1,700	0:00:00.0	0.0000	1,700	0.0000		-		-
TRANSCORP	21 : 0-6,499	704	1,261,012	0:09:29.0	0.0085	788,149	0.0132		-	7,450	0.0139
TRANSCORP	22 : 6,500-34,999	829	9,332,928	0:10:41.9	0.0074	6,037,037	0.0143		-	137,500	0.0120
TRANSCORP	23 : 35,000-126,499	1,062	45,699,840	0:15:51.7	0.0022	26,780,845	0.0117		-	1,555,543	8 0.0127
TRANSCORP	24 : 126,500 & above	1,243	376,131,918	0:15:35.2	0.0030	256,037,789	0.0193		-	69,178,562	0.0146
TRANSEXPR	21 : 0-6,499	18	23,222	0:00:00.0	0.0189	23,222	0.0189		-		-
TRANSEXPR	22 : 6,500-34,999	9	76,064	0:00:00.0	0.0324	76,064	0.0263		-		-
TRANSEXPR	23 : 35,000-126,499	22	263,612	0:03:25.0	0.0233	260,462	0.0295		-	13,791	0.0400
TRANSEXPR	24 : 126,500 & above	12	559,809	0:44:54.2	-0.0011	409,809	0.0275		-	136,200	0.0253
TRIPPLEG	21:0-6,499	6	4,000	0:00:00.0	0.0000	4,000	0.0000		-	-	-
TRIPPLEG	23:35,000-126,499	4	336,148	0:00:00.0	0.0000	336,148	0.0000		-	-	-
UAC-PROP	21 : 0-6,499	146	212,449	0:19:19.1	0.0491	144,956	0.0661		-	6,000	0.0107

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated.

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	ition	м	arket and M	larketable Lii	mit order execu	tion information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
UAC-PROP	22 : 6,500-34,999	82	973,051	0:12:44.2	0.0221	. 649,542	0.0581		-	46,840	0.0211
UAC-PROP	23 : 35,000-126,499	80	1,833,764	0:52:12.0	0.0242	987,515	0.0539		-	158,500	0.0517
UAC-PROP	24 : 126,500 & above	75	11,281,488	0:29:12.7	0.0046	6,545,144	0.0545		-	2,499,335	0.0123
UACN	21 : 0-6,499	667	970,773	0:14:06.5	0.0679	669,162	0.0936		-	42,731	0.0496
UACN	22 : 6,500-34,999	309	3,518,373	0:11:04.6	0.0648	3 2,610,332	0.1058		-	230,669	0.0456
UACN	23 : 35,000-126,499	202	7,304,574	0:20:50.2	0.0265	5,000,361	0.0701		-	683,269	0.0501
UACN	24 : 126,500 & above	117	35,651,020	0:05:30.7	0.0400	26,431,733	0.1866		-	6,282,983	0.2487
UBA	21 : 0-6,499	1,739	3,005,618	0:07:01.3	0.0399	2,170,446	0.0501		-	32,046	0.0590
UBA	22 : 6,500-34,999	1,194	14,595,448	0:08:43.5	0.0250	9,574,907	0.0453		-	465,673	0.0418
UBA	23 : 35,000-126,499	1,053	49,963,627	0:13:06.7	0.0152	2 27,542,014	0.0387		-	1,381,978	0.0535
UBA	24 : 126,500 & above	1,138	412,298,713	0:07:55.0	0.1231	293,894,750	0.1420		-	100,899,901	0.1905
UBN	21 : 0-6,499	832	1,088,394	0:08:31.8	0.0704	804,255	0.1042		-	52,762	0.0496
UBN	22 : 6,500-34,999	429	3,864,660	0:14:57.6	0.0139	2,416,247	0.0766		-	233,406	0.0547
UBN	23 : 35,000-126,499	195	6,787,534	0:31:26.5	0.0094	4,107,104	0.0882		-	940,177	0.1026
UBN	24 : 126,500 & above	80	15,165,697	0:20:44.7	0.0235	5 11,123,772	0.1455		-	4,115,826	o 0.0921

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated.

SWA stands for 'Share Weighted Average and signifies the statistic is computed by multiplying the shares executed by each trade's achieved statistic value and dividing over total shares applicable.

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	ition	М	arket and M	larketable Li	mit order execu	tion information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
UCAP	21 : 0-6,499	964	1,570,961	0:10:57.9	0.0082	1,087,960	0.0196	1	-	23,941	0.0085
UCAP	22 : 6,500-34,999	793	9,098,300	0:13:40.2	0.0027	5,223,984	0.0160	I	-	352,731	0.0114
UCAP	23 : 35,000-126,499	774	33,782,939	0:12:50.1	-0.0028	20,373,104	0.0216	1	-	1,846,536	0.0152
UCAP	24 : 126,500 & above	770	193,540,569	0:12:43.8	0.0137	136,465,546	0.0514		-	51,575,149	0.0531
UNIC	21:0-6,499	50	61,972	0:10:29.4	0.0057	61,971	0.0059	1	-	6,000	0.0100
UNIC	22:6,500-34,999	81	1,014,353	0:15:01.9	0.0023	837,602	0.0048		-	83,095	5 0.0100
UNIC	23 : 35,000-126,499	93	3,794,340	0:15:43.0	-0.0026	3,243,070	0.0045		-	352,100	0.0100
UNIC	24 : 126,500 & above	213	49,722,994	0:32:35.1	-0.0031	43,739,340	0.0090	I	-	14,152,071	0.0105
UNILEVER	21 : 0-6,499	791	867,469	0:09:28.8	0.4858	662,142	0.7302		-	80,991	0.2065
UNILEVER	22 : 6,500-34,999	289	2,436,231	0:09:26.7	0.4682	1,654,644	0.7072		-	152,330	0.1196
UNILEVER	23 : 35,000-126,499	207	4,983,081	0:16:04.4	0.2573	3,152,522	0.7253		-	1,187,803	0.3387
UNILEVER	24 : 126,500 & above	52	31,338,821	0:00:18.2	0.0645	27,896,607	3.4868		-	25,394,441	. 1.5119
UNIONDAC	21 : 0-6,499	1	1	0:00:00.0	0.0000) 1	0.0000	I	-		-
UNIONDAC	22 : 6,500-34,999	1	19,000	0:00:00.0	0.0000	19,000	0.0000	I	-		-
UNIONDAC	23:35,000-126,499	1	60,000	0:00:00.0	0.0000	60,000	0.0000		-		-

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated.

SWA stands for 'Share Weighted Average and signifies the statistic is computed by multiplying the shares executed by each trade's achieved statistic value and dividing over total shares applicable.

Executed shares, Execution Speed and Realized Spread are over all orders while the remaining statistics are on market or marketable limit orders (designated at entry time) only.

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	ition	М	larket and M	larketable Li	mit order execu	tion information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
UNIONDICON	21 : 0-6,499	8	7,480	0:00:00.0	0.0000	7,480	0.0000		-		-
UNITYBNK	21 : 0-6,499	193	292,778	0:08:57.6	0.0062	215,007	0.0190		-	1,155	5 0.0600
UNITYBNK	22 : 6,500-34,999	257	2,504,622	0:20:50.8	0.0036	1,820,788	0.0164		-	87,500	0.0243
UNITYBNK	23 : 35,000-126,499	408	14,786,067	0:18:36.9	-0.0011	10,515,196	0.0193		-	625,745	5 0.0105
UNITYBNK	24 : 126,500 & above	395	68,675,139	0:19:34.9	-0.0028	47,092,549	0.0201		-	7,179,988	3 0.0233
UNITYKAP	21 : 0-6,499	20	37,448	0:16:16.4	-0.0020	27,948	3 0.0029		-		-
UNITYKAP	22 : 6,500-34,999	30	451,640	0:17:01.9	-0.0008	304,600	0.0037		-		-
UNITYKAP	23 : 35,000-126,499	38	2,195,755	0:10:05.7	-0.0018	1,720,755	0.0022		-		-
UNITYKAP	24 : 126,500 & above	152	127,930,280	0:30:03.5	0.0040	110,190,791	0.0075		-	4,372,954	ł 0.0087
UPL	21 : 0-6,499	146	185,930	0:17:26.7	0.0220	120,913	0.0452		-	1,100	0.0082
UPL	22 : 6,500-34,999	141	1,194,958	0:17:16.0	0.0278	752,357	0.0491		-	78,900	0.0234
UPL	23 : 35,000-126,499	188	3,284,019	0:48:38.1	-0.0347	1,688,616	6 0.0213		-	87,488	3 0.0086
UPL	24 : 126,500 & above	118	14,333,079	0:12:20.3	0.0144	10,816,740	0.0602		-	3,673,450	0.0357
VANLEER	21 : 0-6,499	5	4,182	0:35:37.4	0.0000	2,266	6 0.4123		-		-
VANLEER	22 : 6,500-34,999	2	34,187	0:00:00.0	0.0000	34,187	0.0000		-		-

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated.

SWA stands for 'Share Weighted Average and signifies the statistic is computed by multiplying the shares executed by each trade's achieved statistic value and dividing over total shares applicable.

Executed shares, Execution Speed and Realized Spread are over all orders while the remaining statistics are on market or marketable limit orders (designated at entry time) only.

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Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	м	arket and M	larketable Li	mit order execu	ition information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
VITAFOAM	21 : 0-6,499	226	352,290	0:32:59.4	-0.0017	178,236	0.0414		-	14,610	0.0246
VITAFOAM	22 : 6,500-34,999	208	1,716,658	0:34:57.4	-0.0080	850,940	0.0368		-	75,027	0.0102
VITAFOAM	23 : 35,000-126,499	193	6,825,515	0:30:11.4	-0.0027	3,655,634	0.0414		-	972,494	0.0191
VITAFOAM	24 : 126,500 & above	90	13,173,599	0:34:50.3	0.0504	10,269,451	0.1092		-	5,217,263	0.0531
WAPCO	21 : 0-6,499	1,059	1,107,874	0:11:46.4	0.2073	719,021	0.4325		-	76,712	0.2033
WAPCO	22 : 6,500-34,999	433	3,872,076	0:09:22.3	0.0420	2,596,411	0.4444		-	483,339	0.2129
WAPCO	23 : 35,000-126,499	234	6,879,832	0:07:21.9	0.0610	5,027,159	0.5039		-	1,030,254	0.2084
WAPCO	24 : 126,500 & above	37	10,179,649	0:03:57.3	0.0937	6,699,648	0.3920		-	3,981,785	0.1946
WEMABANK	21 : 0-6,499	327	570,861	0:08:50.1	0.0113	467,640	0.0144		-	12,749	0.0100
WEMABANK	22 : 6,500-34,999	282	3,578,744	0:09:58.5	0.0089	2,476,609	0.0118		-	30,617	0.0093
WEMABANK	23 : 35,000-126,499	472	20,065,873	0:18:36.1	-0.0003	13,288,892	0.0110		-	930,768	0.0103
WEMABANK	24 : 126,500 & above	548	122,416,761	0:17:04.1	0.0049	92,079,609	0.0170		-	16,289,080	0.0150
ZENITHBANK	21 : 0-6,499	4,415	7,141,668	0:04:40.6	0.0353	4,704,530	0.0586		1,456 0.05	00 69,873	0.0445
ZENITHBANK	22 : 6,500-34,999	3,063	38,599,991	0:06:25.8	0.0270	22,701,476	0.0619	1	7,000 0.05	00 1,160,096	0.0598
ZENITHBANK	23 : 35,000-126,499	2,984	148,562,705	0:06:37.6	-0.0074	84,671,295	0.0572		-	4,152,710	0.0772

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated.

SWA stands for 'Share Weighted Average and signifies the statistic is computed by multiplying the shares executed by each trade's achieved statistic value and dividing over total shares applicable.

Executed shares, Execution Speed and Realized Spread are over all orders while the remaining statistics are on market or marketable limit orders (designated at entry time) only.





Market Execution Quality Summary: March 2018

Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ts	All order	executio	cution information Market and Marketable Limit order execution information								
Security	Order Size Buckets	Number of	Total Executed	SWA Executio	n	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved		SWA Price	Price Dis-Improved	SWA Price
	Code: Share Size Range	Orders	Shares	Speed			Executed Shares	Spread (N)			Imp. (N)		Dis-Imp. (N)
ZENITHBANK	24 : 126,500 & above	2,500	1,133,413,266)	0:02:44.7	0.0570	753,720,222	0.1543		533,704	0.0277	219,269,237	0.1595

Guidance:

Market Quality summary for MM securities for month segmented by order quantity buckets. Number of orders shows total orders in the segment. All other statistics are share denominated. SWA stands for 'Share Weighted Average and signifies the statistic is computed by multiplying the shares executed by each trade's achieved statistic value and dividing over total shares applicable. Executed shares, Execution Speed and Realized Spread are over all orders while the remaining statistics are on market or marketable limit orders (designated at entry time) only. Realized Spread is computed using prices 15 mins after the trade time or the mid-price at session close when that comes first.