

**APPLICABLE HAIRCUT FOR TRADE DATE**  
Thursday, December 19, 2019

<b>Remaining Tenor</b>	<b>Volatility</b>	<b>Haircut for Repo</b>
1Y	0.069248	0.268 %
2Y	0.087453	0.712 %
3Y	0.117433	1.914 %
4Y	0.078298	1.654 %
5Y	0.156553	3.790 %
7Y	0.115042	4.907 %
10Y	0.106743	5.088 %
20Y	0.067744	6.121 %
25Y	0.065566	6.482 %