



# NSE Clearing Limited Disclosures on Compliance with Principles for Financial Market Infrastructure

Committee on Payments and Market Infrastructures Board of the  
International Organization of Securities Commissions

## Public Quantitative Disclosure for the Quarter Ending December'18

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## Principle 4: Credit Risk

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures												
4.1.1	Total value of default resources (excluding initial and retained variation margin), split by clearing service if default funds are segregated by clearing service	Prefunded - Own Capital Before; Reported as at quarter end	As on 31.12.2018 (INR Million) <table border="1"> <tr> <td>Capital Market Segment</td> <td>1,031.10</td> </tr> <tr> <td>Futures and Options Segment</td> <td>7,355.15</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>617.30</td> </tr> <tr> <td>Debt Segment - Debt Instruments</td> <td>33.50</td> </tr> <tr> <td>Tri Party Repo</td> <td>87.79</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>50.00</td> </tr> </table>	Capital Market Segment	1,031.10	Futures and Options Segment	7,355.15	Currency Derivatives Segment	617.30	Debt Segment - Debt Instruments	33.50	Tri Party Repo	87.79	Commodity Derivatives Segment	50.00
Capital Market Segment	1,031.10														
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Currency Derivatives Segment	617.30														
Debt Segment - Debt Instruments	33.50														
Tri Party Repo	87.79														
Commodity Derivatives Segment	50.00														
4.1.2	Total value of default resources (excluding initial and retained variation margin), split by clearing service if default funds are segregated by clearing service	Prefunded - Own Capital Alongside; Reported as at quarter end	NIL												
4.1.3	Total value of default resources (excluding initial and retained variation margin), split by clearing service if default funds are segregated by clearing service	Prefunded - Own Capital After; Reported as at quarter end	NIL												
4.1.4	Total value of default resources (excluding initial and retained variation margin), split by clearing service if default funds are segregated by clearing service	Prefunded - Aggregate Participant Contributions - Required; Reported as at quarter end	NIL												

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures												
4.1.5	Total value of default resources (excluding initial and retained variation margin), split by clearing service if default funds are segregated by clearing service	Prefunded - Aggregate Participant Contributions - Post-Haircut Posted; Reported as at quarter end	NIL												
4.1.6	Total value of default resources (excluding initial and retained variation margin), split by clearing service if default funds are segregated by clearing service	Prefunded - Other; Reported as at quarter end	<p>As on 31.12.2018 (INR Million)</p> <table border="1"> <tr> <td>Capital Market Segment</td> <td>1,582.37</td> </tr> <tr> <td>Futures and Options Segment</td> <td>11,032.64</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>875.41</td> </tr> <tr> <td>Debt Segment - Debt Instruments</td> <td>13.96</td> </tr> <tr> <td>Tri Party Repo</td> <td>87.79</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>50.00</td> </tr> </table> <p>*Other prefunded resources are penalties levied by NSE Clearing Limited, interest income from investment of Core Settlement Guarantee fund and contribution from NSEIL (parent company of NSE CLEARING LIMITED).</p>	Capital Market Segment	1,582.37	Futures and Options Segment	11,032.64	Currency Derivatives Segment	875.41	Debt Segment - Debt Instruments	13.96	Tri Party Repo	87.79	Commodity Derivatives Segment	50.00
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Currency Derivatives Segment	875.41														
Debt Segment - Debt Instruments	13.96														
Tri Party Repo	87.79														
Commodity Derivatives Segment	50.00														
4.1.7	Total value of default resources (excluding initial and retained variation margin), split by clearing service if default funds are segregated by clearing service	Committed - Own/parent funds that are committed to address a participant default (or round of participant defaults); Reported as at quarter end	<p>As on 31.12.2018 (INR Million)</p> <table border="1"> <tr> <td>Capital Market Segment</td> <td>16,441.75</td> </tr> <tr> <td>Futures and Options Segment</td> <td>3,897.76</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>17,527.59</td> </tr> <tr> <td>Debt Segment- Debt Instruments</td> <td>18,833.99</td> </tr> <tr> <td>Tri Party Repo</td> <td>18,672.83</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>18,759.48</td> </tr> </table> <p>* NSE CLEARING LIMITED's own</p>	Capital Market Segment	16,441.75	Futures and Options Segment	3,897.76	Currency Derivatives Segment	17,527.59	Debt Segment- Debt Instruments	18,833.99	Tri Party Repo	18,672.83	Commodity Derivatives Segment	18,759.48
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Commodity Derivatives Segment	18,759.48														

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures
			equity that forms a part of layer 6 of the default waterfall has not been considered.
4.1.8	Total value of default resources (excluding initial and retained variation margin), split by clearing service if default funds are segregated by clearing service	Committed - Aggregate participant commitments to address an initial participant default (or initial round of participant defaults); Reported as at quarter end	NIL  * As a part of its default waterfall, NSE CLEARING LIMITED under its byelaws has the power to assess and call for additional contribution from non-defaulting members as a multiple of their required primary contribution to Core SGF. Pay-out haircuts to members that form a part of default waterfall have not been considered towards participants' commitments.
4.1.9	Total value of default resources (excluding initial and retained variation margin), split by clearing service if default funds are segregated by clearing service	Committed - Aggregate participant commitments to replenish the default fund to deal with a subsequent participant default (or round of participant defaults) after the initial participant default (or round of participant defaults) has been addressed; Reported as at quarter end	Not Applicable
4.1.10	Total value of default resources (excluding initial and retained variation margin), split by clearing service if default funds are segregated by clearing service	Committed - Other; Reported as at quarter end	As on 31.12.2018 Default Resources (Other) – INR 3,817.35 Million  * Amount received from NSE towards Core SGF but not allocated to any specific Segment.

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures										
4.2.1	K <sub>CCP</sub>	K <sub>CCP</sub> - K <sub>CCP</sub> need only be reported by those CCPs which are, or seek to be a "qualifying CCP" under relevant law	<p style="text-align: right;">INR Million</p> <table border="1"> <tr> <td>Capital Market Segment</td> <td>NA</td> </tr> <tr> <td>Futures and Options Segment</td> <td>105.49</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>1.54</td> </tr> <tr> <td>Debt Segment</td> <td>NA</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>0</td> </tr> </table> <p>* K<sub>CCP</sub> is computed using SA-CCR Method.</p>	Capital Market Segment	NA	Futures and Options Segment	105.49	Currency Derivatives Segment	1.54	Debt Segment	NA	Commodity Derivatives Segment	0
Capital Market Segment	NA												
Futures and Options Segment	105.49												
Currency Derivatives Segment	1.54												
Debt Segment	NA												
Commodity Derivatives Segment	0												
4.3.1	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Cash deposited at a central bank of issue of the currency concerned; Reported as at quarter end; Pre-Haircut and Post-Haircut	NIL										
4.3.2	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Cash deposited at other central banks; Reported as at quarter end; Pre-Haircut and Post-Haircut	NIL										
4.3.3	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Secured cash deposited at commercial banks (including reverse repo); Reported as at quarter end; Pre-Haircut and Post-Haircut	NIL										
4.3.4	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Unsecured cash deposited at commercial banks; Reported as at quarter end; Pre-Haircut and Post-Haircut	<p>As on 31.12.2018 (INR Million)</p> <table border="1"> <tr> <td>Capital Market Segment</td> <td>2,641.58</td> </tr> <tr> <td>Futures and Options Segment</td> <td>18,766.41</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>1,504.72</td> </tr> <tr> <td>Debt Segment – Debt Instruments</td> <td>47.61</td> </tr> <tr> <td>Tri Party Repo</td> <td>176.82</td> </tr> </table>	Capital Market Segment	2,641.58	Futures and Options Segment	18,766.41	Currency Derivatives Segment	1,504.72	Debt Segment – Debt Instruments	47.61	Tri Party Repo	176.82
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Tri Party Repo	176.82												

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures	
			Commodity Derivatives Segment	
			100.01	
4.3.5	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Non-Cash Sovereign Government Bonds - Domestic; Reported as at quarter end; Pre-Haircut and Post-Haircut	NIL	
4.3.6	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Non-Cash Sovereign Government Bonds - Other; Reported as at quarter end; Pre-Haircut and Post-Haircut	NIL	
4.3.7	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Non-Cash Agency Bonds; Reported as at quarter end; Pre-Haircut and Post-Haircut	NIL	
4.3.8	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Non-Cash State/municipal bonds; Reported as at quarter end; Pre-Haircut and Post-Haircut	NIL	
4.3.9	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Non-Cash Corporate bonds; Reported as at quarter end; Pre-Haircut and Post-Haircut	NIL	
4.3.10	Value of pre-funded default resources (excluding initial and retained variation margin) held for each	Non-Cash Equities; Reported as at quarter end; Pre-Haircut and Post-Haircut	NIL	

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures										
	clearing service, in total and split by												
4.3.11	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Non-Cash Commodities - Gold; Reported as at quarter end; Pre-Haircut and Post-Haircut	NIL										
4.3.12	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Non-Cash Commodities - Other; Reported as at quarter end; Pre-Haircut and Post-Haircut	NIL										
4.3.13	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Non-Cash Commodities - Mutual Funds / UCITs; Reported as at quarter end; Pre-Haircut and Post-Haircut	NIL										
4.3.14	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Non-Cash Commodities - Other; Reported as at quarter end; Pre-Haircut and Post-Haircut	NIL										
4.3.15	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total	In total. Reported as at quarter end; Pre-Haircut and Post-Haircut	<p>As on 31.12.2018 (INR Million)</p> <table border="1"> <tbody> <tr> <td>Capital Market Segment</td> <td>2,641.58</td> </tr> <tr> <td>Futures and Options Segment</td> <td>18,766.41</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>1,504.72</td> </tr> <tr> <td>Debt Segment – Debt Instruments</td> <td>47.61</td> </tr> <tr> <td>Tri Party Repo</td> <td>176.82</td> </tr> </tbody> </table>	Capital Market Segment	2,641.58	Futures and Options Segment	18,766.41	Currency Derivatives Segment	1,504.72	Debt Segment – Debt Instruments	47.61	Tri Party Repo	176.82
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Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures																
			Commodity Derivatives Segment	100.01															
4.4.1	Credit Risk Disclosures	State whether the CCP is subject to a minimum “Cover 1” or “Cover 2” requirement in relation to total pre-funded default resources.	NSE CLEARING LIMITED subject to Cover 2																
4.4.2	Credit Risk Disclosures	For each clearing service, state the number of business days within which the CCP assumes it will close out the default when calculating credit exposures that would potentially need to be covered by the default fund.	<table border="1"> <tr> <td>Capital Market Segment</td> <td>1,3</td> </tr> <tr> <td>Futures and Options Segment</td> <td>1</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>1</td> </tr> <tr> <td>Debt Segment – Debt Instruments</td> <td>1</td> </tr> <tr> <td>Tri Party Repo</td> <td>1</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>2</td> </tr> </table>	Capital Market Segment	1,3	Futures and Options Segment	1	Currency Derivatives Segment	1	Debt Segment – Debt Instruments	1	Tri Party Repo	1	Commodity Derivatives Segment	2	<p>* In Capital Market Segment, based on liquidity categorisation of scrips, Category II and III stocks are assumed to be closed out over a liquidation period of 3 days. Category I stocks are assumed to be closed out over a liquidation period of 1 day.</p>			
Capital Market Segment	1,3																		
Futures and Options Segment	1																		
Currency Derivatives Segment	1																		
Debt Segment – Debt Instruments	1																		
Tri Party Repo	1																		
Commodity Derivatives Segment	2																		
4.4.3	Credit Risk Disclosures	For each clearing service, the estimated largest aggregate stress loss (in excess of initial margin) that would be caused by the default of any single participant and its affiliates (including transactions cleared for indirect	<table border="1"> <thead> <tr> <th></th> <th colspan="2">INR Million</th> </tr> <tr> <th></th> <th>Peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>6,353.56</td> <td>846.87</td> </tr> <tr> <td>Futures and Options Segment</td> <td>11,236.98</td> <td>3,976.71</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>1,596.69</td> <td>426.02</td> </tr> </tbody> </table>			INR Million			Peak	Average	Capital Market Segment	6,353.56	846.87	Futures and Options Segment	11,236.98	3,976.71	Currency Derivatives Segment	1,596.69	426.02
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Currency Derivatives Segment	1,596.69	426.02																	

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures														
		participants) in extreme but plausible market conditions; Peak day amount in the previous 12 months and mean average over the previous 12 months	Debt Segment- Debt Instruments	0.00	0.00												
			Tri Party Repo	0.00	0.00												
			Commodity Derivatives Segment	65.40	55.40												
4.4.4	Credit Risk Disclosures	Report the number of business days, if any, on which the above amount (4.4.3) exceeded actual pre-funded default resources (in excess of initial margin).	<table border="1"> <thead> <tr> <th colspan="2">No of Business days exceeded</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>0</td> </tr> <tr> <td>Futures and Options Segment</td> <td>0</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>0</td> </tr> <tr> <td>Debt Segment</td> <td>0</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>0</td> </tr> </tbody> </table>			No of Business days exceeded		Capital Market Segment	0	Futures and Options Segment	0	Currency Derivatives Segment	0	Debt Segment	0	Commodity Derivatives Segment	0
No of Business days exceeded																	
Capital Market Segment	0																
Futures and Options Segment	0																
Currency Derivatives Segment	0																
Debt Segment	0																
Commodity Derivatives Segment	0																
4.4.5	Credit Risk Disclosures	The amount in 4.4.3 which exceeded actual pre-funded default resources (in excess of initial margin)	NIL														

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures		
4.4.6	Credit Risk Disclosures	For each clearing service, the actual largest aggregate credit exposure (in excess of initial margin) to any single participant and its affiliates (including transactions cleared for indirect participants); Peak day amount in the previous 12 months and mean average over the previous 12 months	INR Million		
				Peak	Average
			Capital Market Segment	0.00	0.00
			Futures and Options Segment	13.37	0.10
			Currency Derivatives Segment	12.98	0.20
			Debt Segment-Debt Instruments	0.00	0.00
			Tri Party Repo	0.00	0.00
			Commodity Derivatives Segment	0.00	0.00
4.4.7	Credit Risk Disclosures	For each clearing service, the estimated largest aggregate stress loss (in excess of initial margin) that would be caused by the default of any two participants and their affiliates (including transactions cleared for indirect participants) in extreme but plausible market conditions; Peak day amount in the previous 12 months and mean average over the previous 12 months	INR Million		
				Peak	Average
			Capital Market Segment	8,484.43	1,488.34
			Futures and Options Segment	15,617.27	6,748.39
			Currency Derivatives Segment	2,315.52	665.69
			Debt Segment-Debt Instruments	0.00	0.00
			Tri Party Repo	0.00	0.00
			Commodity Derivatives Segment	65.40	55.40
			* For Capital Market Segment, the SEBI specified stress test methodology has been adopted to arrive at the estimated largest aggregate stress loss which shall be the maximum of the stress test losses		

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures															
			(in excess of margins) of top 2 members and their affiliates or the top custodian, as the case may be. For derivatives segment, the estimated largest aggregate stress test losses (in excess of margins) of top 2 members and their affiliates have been arrived as per SEBI stress test methodology. (SEBI circular no CIR/MRD/DRMNP/25/2014 dated August 27, 2014 on Core Settlement Guarantee Fund, Default Waterfall and Stress Test)															
4.4.8	Credit Risk Disclosures	Number of business days, if any, on which the above amount (4.4.7) exceeded actual pre-funded default resources (in excess of initial margin) and by how much.	<table border="1"> <thead> <tr> <th colspan="2">No of Business days exceeded</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>1</td> </tr> <tr> <td>Futures and Options Segment</td> <td>0</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>1</td> </tr> <tr> <td>Debt Segment</td> <td>0</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>0</td> </tr> </tbody> </table>	No of Business days exceeded		Capital Market Segment	1	Futures and Options Segment	0	Currency Derivatives Segment	1	Debt Segment	0	Commodity Derivatives Segment	0			
No of Business days exceeded																		
Capital Market Segment	1																	
Futures and Options Segment	0																	
Currency Derivatives Segment	1																	
Debt Segment	0																	
Commodity Derivatives Segment	0																	
4.4.9	Credit Risk Disclosures	The amount in 4.4.7 which exceeded actual pre-funded default resources (in excess of initial margin)	<table border="1"> <thead> <tr> <th colspan="2">Amount Exceeded 1 (INR Million)</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>454.28</td> </tr> <tr> <td>Futures and Options Segment</td> <td>0.00</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>282.38</td> </tr> <tr> <td>Debt Segment</td> <td>0.00</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>0.00</td> </tr> </tbody> </table>	Amount Exceeded 1 (INR Million)		Capital Market Segment	454.28	Futures and Options Segment	0.00	Currency Derivatives Segment	282.38	Debt Segment	0.00	Commodity Derivatives Segment	0.00			
Amount Exceeded 1 (INR Million)																		
Capital Market Segment	454.28																	
Futures and Options Segment	0.00																	
Currency Derivatives Segment	282.38																	
Debt Segment	0.00																	
Commodity Derivatives Segment	0.00																	
4.4.10	Credit Risk Disclosures	For each clearing service, what was the actual largest aggregate credit exposure (in excess of initial margin) to any two participants and their affiliates (including transactions cleared for indirect	<table border="1"> <thead> <tr> <th colspan="3">INR Million</th> </tr> <tr> <th></th> <th>Peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>Futures and Options Segment</td> <td>13.37</td> <td>0.10</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>16.26</td> <td>0.23</td> </tr> </tbody> </table>	INR Million				Peak	Average	Capital Market Segment	0.00	0.00	Futures and Options Segment	13.37	0.10	Currency Derivatives Segment	16.26	0.23
INR Million																		
	Peak	Average																
Capital Market Segment	0.00	0.00																
Futures and Options Segment	13.37	0.10																
Currency Derivatives Segment	16.26	0.23																

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures		
		participants)? Description: PeakDayAmountInPrevious12Months; MeanAverageOverPrevious12Months	Debt Segment Debt Instruments	0.00	0.00
			Tri Party Repo	0.00	0.00
			Commodity Derivatives Segment	0.00	0.00

## Principle 5: Collateral

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures
5.1.1	Assets eligible as initial margin, and the respective haircuts applied	Assets eligible as initial margin and the respective haircuts applied	<a href="https://www.nscclindia.com/NSCCL/res/nscl_res_cons_circulars.htm">https://www.nscclindia.com/NSCCL/res/nscl_res_cons_circulars.htm</a>
5.2.1	Assets Eligible for pre-funded participant contributions to the default resources, and the respective haircuts applied (if different from 5.1)	Assets Eligible for pre-funded participant contributions to the default resources, and the respective haircuts applied (if different from 5.1)	<a href="https://www.nscclindia.com/NSCCL/disclosures/resources/NSCCL_SGF_SEB_I_1.pdf">https://www.nscclindia.com/NSCCL/disclosures/resources/NSCCL_SGF_SEB_I_1.pdf</a>
5.3.1	Results of testing of haircuts	Confidence interval targeted through the calculation of haircuts	Not Applicable
5.3.2	Results of testing of haircuts	Assumed holding/liquidation period for the assets accepted	Not Applicable
5.3.3	Results of testing of haircuts	Look-back period used for testing the haircuts	Not Applicable
5.3.4	Results of testing of haircuts	Number of days during the look-back period on which the fall in value during the assumed holding/liquidation period exceeded the haircut on an asset.	Not Applicable

## Principle 6: Margin

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures																
6.1.1	For each clearing service, total initial margin required, split by house and client (or combined total if not segregated)	Total initial margin required split by house, client gross, client net and total(if not segregated);	<table border="1"> <thead> <tr> <th colspan="2">Total Initial Margin (INR Million)</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>21,921.23</td> </tr> <tr> <td>Futures and Options Segment</td> <td>591,975.86</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>11,217.89</td> </tr> <tr> <td>Debt Segment</td> <td></td> </tr> <tr> <td>Debt Instruments</td> <td>0.00</td> </tr> <tr> <td>Tri Party Repo</td> <td>0.00</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>63.75</td> </tr> </tbody> </table>	Total Initial Margin (INR Million)		Capital Market Segment	21,921.23	Futures and Options Segment	591,975.86	Currency Derivatives Segment	11,217.89	Debt Segment		Debt Instruments	0.00	Tri Party Repo	0.00	Commodity Derivatives Segment	63.75
Total Initial Margin (INR Million)																			
Capital Market Segment	21,921.23																		
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Debt Segment																			
Debt Instruments	0.00																		
Tri Party Repo	0.00																		
Commodity Derivatives Segment	63.75																		
6.2.1	For each clearing service, total initial margin held, split by house and client	Cash deposited at a central bank of issue of the currency concerned; Total split by House and Client; Pre-Haircut and Post Hair-cut	NIL																
6.2.2	For each clearing service, total initial margin held, split by house and client	Cash deposited at other central banks; Total split by House and Client; Pre-Haircut and Post-Haircut	NIL																
6.2.3	For each clearing service, total initial margin held, split by house and client	Secured cash deposited at commercial banks (including reverse repo); Total split by House and Client; Pre-Haircut and Post-Haircut	NIL																

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures	
6.2.4	For each clearing service, total initial margin held, split by house and client	Unsecured cash deposited at commercial banks; Total split by House and Client; Pre-Haircut and Post Hair-cut	Total cash deposit at commercial Bank (INR Million)	
			Segment	Pre & Post-hair cut
			Capital Market Segment	7,582.71
			Futures and Options Segment	14,497.04
			Currency Derivatives Segment	864.38
			Debt Segment	
			Debt Instruments	13.10
Tri Party Repo	0.00			
			Commodity Derivatives Segment	66.10
6.2.5	For each clearing service, total initial margin held, split by house and client	Non-Cash Sovereign Government Bonds - Domestic; Total split by House and Client; Pre-Haircut and Post Hair-cut	Total Non-Cash Sovereign Government Bonds - Domestic (INR Million)	
			Segment	Pre -Hair Cut
			Capital Market Segment	1,475.87
			Futures and Options Segment	22,074.93
			Currency Derivatives Segment	22,608.09
			Debt Segment	
			Debt Instruments	0.00
			Tri Party Repo	0.00
			Commodity Derivatives Segment	0.00
			Total Non-Cash Sovereign Government Bonds - Domestic (INR Million)	
			Segment	Post -Hair Cut
			Capital Market Segment	1,328.29
			Futures and Options Segment	19,867.44
			Currency Derivatives Segment	20,347.17
Debt Segment				
Debt Instruments	0.00			



Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures																			
			Tri Party Repo	0.00																		
			Commodity Derivatives Segment	0.00																		
6.2.6	For each clearing service, total initial margin held, split by house and client	Non-Cash Sovereign Government Bonds - Other; Total split by House and Client; Pre-Haircut and Post Haircut	NIL																			
6.2.7	For each clearing service, total initial margin held, split by house and client	Non-Cash Agency Bonds; Total split by House and Client; Pre-Haircut and Post Haircut	NIL																			
6.2.8	For each clearing service, total initial margin held, split by house and client	Non-Cash State/municipal bonds; Total split by House and Client; Pre-Haircut and Post Haircut	NIL																			
6.2.9	For each clearing service, total initial margin held, split by house and client	Non-Cash Corporate bonds; Total split by House and Client; Pre-Haircut and Post Haircut	<table border="1"> <thead> <tr> <th colspan="2">Total Non-Cash Corporate bonds - (INR Million)</th> </tr> <tr> <th>Segment</th> <th>Pre -Hair Cut</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>191.70</td> </tr> <tr> <td>Futures and Options Segment</td> <td>4,493.40</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>0.00</td> </tr> <tr> <td>Debt Segment</td> <td></td> </tr> <tr> <td>Debt Instruments</td> <td>0.00</td> </tr> <tr> <td>Tri Party Repo</td> <td>0.00</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>0.00</td> </tr> </tbody> </table>		Total Non-Cash Corporate bonds - (INR Million)		Segment	Pre -Hair Cut	Capital Market Segment	191.70	Futures and Options Segment	4,493.40	Currency Derivatives Segment	0.00	Debt Segment		Debt Instruments	0.00	Tri Party Repo	0.00	Commodity Derivatives Segment	0.00
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6.2.10	For each clearing service, total initial margin held, split by house and client	Non-Cash Equities; Description: HouseIM_PreHaircut, HouseIM_PostHaircut, ClientIM_PreHaircut, ClientIM_PostHaircut, TotalIM_PreHaircut, TotalIM_PostHaircut	<table border="1"> <thead> <tr> <th colspan="2" data-bbox="983 1048 1489 1126">Total Non-Cash Equities (INR Million)</th> </tr> <tr> <th data-bbox="983 1126 1273 1171">Segment</th> <th data-bbox="1273 1126 1489 1171">Pre -Hair Cut</th> </tr> </thead> <tbody> <tr> <td data-bbox="983 1171 1273 1249">Capital Market Segment</td> <td data-bbox="1273 1171 1489 1249">33,559.96</td> </tr> <tr> <td data-bbox="983 1249 1273 1328">Futures and Options Segment</td> <td data-bbox="1273 1249 1489 1328">134,938.00</td> </tr> <tr> <td data-bbox="983 1328 1273 1406">Currency Derivatives Segment</td> <td data-bbox="1273 1328 1489 1406">2,137.52</td> </tr> <tr> <td data-bbox="983 1406 1273 1518">Debt Segment Debt Instruments Tri Party Repo</td> <td data-bbox="1273 1406 1489 1518">0.00 0.00</td> </tr> <tr> <td data-bbox="983 1518 1273 1597">Commodity Derivatives Segment</td> <td data-bbox="1273 1518 1489 1597">0.00</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="2" data-bbox="983 1653 1489 1731">Total Non-Cash Equities (INR Million)</th> </tr> <tr> <th data-bbox="983 1731 1273 1776">Segment</th> <th data-bbox="1273 1731 1489 1776">Post -Hair Cut</th> </tr> </thead> <tbody> <tr> <td data-bbox="983 1776 1273 1854">Capital Market Segment</td> <td data-bbox="1273 1776 1489 1854">28,510.74</td> </tr> <tr> <td data-bbox="983 1854 1273 1933">Futures and Options Segment</td> <td data-bbox="1273 1854 1489 1933">101,628.00</td> </tr> <tr> <td data-bbox="983 1933 1273 2009">Currency Derivatives</td> <td data-bbox="1273 1933 1489 2009">1,892.34</td> </tr> </tbody> </table>		Total Non-Cash Equities (INR Million)		Segment	Pre -Hair Cut	Capital Market Segment	33,559.96	Futures and Options Segment	134,938.00	Currency Derivatives Segment	2,137.52	Debt Segment Debt Instruments Tri Party Repo	0.00 0.00	Commodity Derivatives Segment	0.00	Total Non-Cash Equities (INR Million)		Segment	Post -Hair Cut	Capital Market Segment	28,510.74	Futures and Options Segment	101,628.00	Currency Derivatives	1,892.34
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6.2.11	For each clearing service, total initial margin held, split by house and client	Non-Cash Commodities - Gold; Description: HouseIM_PreHaircut, HouseIM_PostHaircut, ClientIM_PreHaircut, ClientIM_PostHaircut, TotalIM_PreHaircut, TotalIM_PostHaircut	NIL																			
6.2.12	For each clearing service, total initial margin held, split by house and client	Non-Cash Commodities - Other; Total split by House and Client; Pre-Haircut and Post Hair-cut	NIL																			
6.2.13	For each clearing service, total initial margin held, split by house and client	Non-Cash - Mutual Funds / UCITs; Total split by House and Client; Pre-Haircut and Post Hair-cut	<table border="1"> <thead> <tr> <th colspan="2">Total Non-Cash - Mutual Funds (INR Million)</th> </tr> <tr> <th>Segment</th> <th>Pre -Hair Cut</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>1,846.80</td> </tr> <tr> <td>Futures and Options Segment</td> <td>64,207.99</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>1,468.76</td> </tr> <tr> <td>Debt Segment</td> <td></td> </tr> <tr> <td>Debt Instruments</td> <td>0.00</td> </tr> <tr> <td>Tri Party Repo</td> <td>0.00</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>0.00</td> </tr> </tbody> </table>		Total Non-Cash - Mutual Funds (INR Million)		Segment	Pre -Hair Cut	Capital Market Segment	1,846.80	Futures and Options Segment	64,207.99	Currency Derivatives Segment	1,468.76	Debt Segment		Debt Instruments	0.00	Tri Party Repo	0.00	Commodity Derivatives Segment	0.00
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6.2.14	For each clearing service, total initial margin held, split by house and client	Non-Cash - Other; Total split by House and Client; Pre-Haircut and Post Hair-cut	<table border="1"> <thead> <tr> <th colspan="2">Total Non-Cash - Other* (INR Million)</th> </tr> <tr> <th>Segment</th> <th>Pre &amp; Post-hair cut</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>79,564.30</td> </tr> <tr> <td>Futures and Options Segment</td> <td>740,890.79</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>23,446.19</td> </tr> <tr> <td>Debt Segment Debt Instruments Tri Party Repo</td> <td>996.90 0.00</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>419.80</td> </tr> </tbody> </table> <p>*Other includes Bank Guarantees &amp; Bank Fixed Deposit Receipts posted towards initial margin provided through a security interest.</p>	Total Non-Cash - Other* (INR Million)		Segment	Pre & Post-hair cut	Capital Market Segment	79,564.30	Futures and Options Segment	740,890.79	Currency Derivatives Segment	23,446.19	Debt Segment Debt Instruments Tri Party Repo	996.90 0.00	Commodity Derivatives Segment	419.80
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			<p><a href="#">/content/derivatives/equities/archieve fo.htm</a></p> <p>Currency Derivatives Segment:  <a href="https://www1.nseindia.com/products/content/derivatives/irf/archieve irf.htm">https://www1.nseindia.com/products/content/derivatives/irf/archieve irf.htm</a></p> <p>Debt Segment  <a href="https://debt.nseindia.com/marketinfo/content/archieve debt.htm">https://debt.nseindia.com/marketinfo/content/archieve debt.htm</a></p> <p>Commodity Segment  <a href="https://www.nseindia.com/products/content/derivatives/commodity/archieve com.htm">https://www.nseindia.com/products/content/derivatives/commodity/archieve com.htm</a></p>										
6.4.1	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	Type of IM Model	<table border="1"> <tr> <td data-bbox="978 1160 1278 1238">Capital Market Segment</td> <td data-bbox="1278 1160 1476 1238">VaR</td> </tr> <tr> <td data-bbox="978 1238 1278 1317">Futures and Options Segment</td> <td data-bbox="1278 1238 1476 1317">Portfolio Margining</td> </tr> <tr> <td data-bbox="978 1317 1278 1440">Currency Derivatives Segment</td> <td data-bbox="1278 1317 1476 1440">Portfolio Margining</td> </tr> <tr> <td data-bbox="978 1440 1278 1619">Debt Segment Debt Instruments Tri Party Repo</td> <td data-bbox="1278 1440 1476 1619">Portfolio Margining VaR</td> </tr> <tr> <td data-bbox="978 1619 1278 1693">Commodity Derivatives Segment</td> <td data-bbox="1278 1619 1476 1693">Portfolio Margining</td> </tr> </table>	Capital Market Segment	VaR	Futures and Options Segment	Portfolio Margining	Currency Derivatives Segment	Portfolio Margining	Debt Segment Debt Instruments Tri Party Repo	Portfolio Margining VaR	Commodity Derivatives Segment	Portfolio Margining
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6.4.3	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	IM Model Name	<table border="1"> <thead> <tr> <th colspan="2" data-bbox="978 936 1473 981">IM Model Name</th> </tr> </thead> <tbody> <tr> <td data-bbox="978 981 1273 1059">Capital Market Segment</td> <td data-bbox="1273 981 1473 1059">VaR</td> </tr> <tr> <td data-bbox="978 1059 1273 1137">Futures and Options Segment</td> <td data-bbox="1273 1059 1473 1137">SPAN</td> </tr> <tr> <td data-bbox="978 1137 1273 1261">Currency Derivatives Segment</td> <td data-bbox="1273 1137 1473 1261">SPAN</td> </tr> <tr> <td data-bbox="978 1261 1273 1373">Debt Segment Debt Instruments Tri Party Repo</td> <td data-bbox="1273 1261 1473 1373">SPAN VaR</td> </tr> <tr> <td data-bbox="978 1373 1273 1496">Commodity Derivatives Segment</td> <td data-bbox="1273 1373 1473 1496">SPAN</td> </tr> </tbody> </table>		IM Model Name		Capital Market Segment	VaR	Futures and Options Segment	SPAN	Currency Derivatives Segment	SPAN	Debt Segment Debt Instruments Tri Party Repo	SPAN VaR	Commodity Derivatives Segment	SPAN
IM Model Name																
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Currency Derivatives Segment	SPAN															
Debt Segment Debt Instruments Tri Party Repo	SPAN VaR															
Commodity Derivatives Segment	SPAN															

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures												
6.4.4	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	IM Model Name Change Effective Date	<table border="1"> <thead> <tr> <th colspan="2">IM Name Change</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>No Change</td> </tr> <tr> <td>Futures and Options Segment</td> <td>No Change</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>No Change</td> </tr> <tr> <td>Debt Segment Debt Instruments Tri Party Repo</td> <td>No Change No Change</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>No change</td> </tr> </tbody> </table>	IM Name Change		Capital Market Segment	No Change	Futures and Options Segment	No Change	Currency Derivatives Segment	No Change	Debt Segment Debt Instruments Tri Party Repo	No Change No Change	Commodity Derivatives Segment	No change
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Currency Derivatives Segment	No Change														
Debt Segment Debt Instruments Tri Party Repo	No Change No Change														



Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures													
			Commodity Derivatives Segment	No change												
6.4.7	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	Look Back Period	<table border="1"> <thead> <tr> <th colspan="2" data-bbox="983 824 1492 864">Look Back Period</th> </tr> </thead> <tbody> <tr> <td data-bbox="983 864 1294 943">Capital Market Segment</td> <td data-bbox="1294 864 1492 943">Infinite</td> </tr> <tr> <td data-bbox="983 943 1294 1021">Futures and Options Segment</td> <td data-bbox="1294 943 1492 1021">Infinite</td> </tr> <tr> <td data-bbox="983 1021 1294 1099">Currency Derivatives Segment</td> <td data-bbox="1294 1021 1492 1099">Infinite</td> </tr> <tr> <td data-bbox="983 1099 1294 1223">Debt Segment Debt Instruments Tri Party Repo</td> <td data-bbox="1294 1099 1492 1223">Infinite Infinite</td> </tr> <tr> <td data-bbox="983 1223 1294 1301">Commodity Derivatives Segment</td> <td data-bbox="1294 1223 1492 1301">Infinite</td> </tr> </tbody> </table> <p data-bbox="983 1339 1492 1684">* For applicability of margins on a scrip/contract, the look back period is infinite as the daily volatility calculated using exponentially weighted moving average methodology assigns a significant weightage to past variances in that scrip/contract from its first day of trading.</p>		Look Back Period		Capital Market Segment	Infinite	Futures and Options Segment	Infinite	Currency Derivatives Segment	Infinite	Debt Segment Debt Instruments Tri Party Repo	Infinite Infinite	Commodity Derivatives Segment	Infinite
Look Back Period																
Capital Market Segment	Infinite															
Futures and Options Segment	Infinite															
Currency Derivatives Segment	Infinite															
Debt Segment Debt Instruments Tri Party Repo	Infinite Infinite															
Commodity Derivatives Segment	Infinite															

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures												
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6.4.11	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	Close Out Period (days)	<table border="1"> <thead> <tr> <th colspan="2">Close out Period</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>1,3</td> </tr> <tr> <td>Futures and Options Segment</td> <td>1</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>1</td> </tr> <tr> <td>Debt Segment Debt Instruments</td> <td>1</td> </tr> </tbody> </table>	Close out Period		Capital Market Segment	1,3	Futures and Options Segment	1	Currency Derivatives Segment	1	Debt Segment Debt Instruments	1		
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Futures and Options Segment	1														
Currency Derivatives Segment	1														
Debt Segment Debt Instruments	1														

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures																
			<table border="1"> <tr> <td>Tri Party Repo</td> <td>1</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>2</td> </tr> </table> <p>* In Capital Market Segment, based on liquidity categorisation of scrips, Category II and III stocks are assumed to be closed out over a liquidation period of 3 days. Category I stocks are assumed to be closed out over a liquidation period on 1 day.</p>	Tri Party Repo	1	Commodity Derivatives Segment	2												
Tri Party Repo	1																		
Commodity Derivatives Segment	2																		
6.4.12	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	Close out period change Effective Date	<table border="1"> <thead> <tr> <th colspan="2">Close Out period Change</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>No Change</td> </tr> <tr> <td>Futures and Options Segment</td> <td>No Change</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>No Change</td> </tr> <tr> <td>Debt Segment</td> <td></td> </tr> <tr> <td>Debt Instruments</td> <td>No Change</td> </tr> <tr> <td>Tri Party Repo</td> <td>No Change</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>No Change</td> </tr> </tbody> </table>	Close Out period Change		Capital Market Segment	No Change	Futures and Options Segment	No Change	Currency Derivatives Segment	No Change	Debt Segment		Debt Instruments	No Change	Tri Party Repo	No Change	Commodity Derivatives Segment	No Change
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6.4.13	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	IM Rates Link	<p>Capital Market Segment:  <a href="http://www.nseindia.com/products/content/equities/equities/margins.htm">http://www.nseindia.com/products/content/equities/equities/margins.htm</a></p> <p>Futures and Options Segment:  <a href="http://www.nseindia.com/products/content/derivatives/equities/margins.htm">http://www.nseindia.com/products/content/derivatives/equities/margins.htm</a></p> <p>Currency Derivatives Segment  <a href="https://www1.nseindia.com/products/content/derivatives/curr_der/margins.htm">https://www1.nseindia.com/products/content/derivatives/curr_der/margins.htm</a></p> <p>Debt Segment:  <a href="https://debt.nseindia.com/risk_mgmt/content/margins.htm">https://debt.nseindia.com/risk_mgmt/content/margins.htm</a></p> <p>Tri –Party Repo:  <a href="https://www.nseindia.com/products/">https://www.nseindia.com/products/</a></p>																

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures
			<a href="content/debt/tripartyrepo/collateral req.htm">content/debt/tripartyrepo/collateral req.htm</a>  Commodity Derivatives Segment: <a href="https://www.nseindia.com/products/content/derivatives/commodity/archive_com.htm">https://www.nseindia.com/products/content/derivatives/commodity/archive_com.htm</a>
6.4.14	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	Frequency of Parameter Review	Not Applicable
6.4.15	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	Frequency of Parameter Review Change Effective Date	Not Applicable
6.5.1.1	Results of back-testing of initial margin. At a minimum, this should include, for each clearing service and each initial margin model applied to that clearing service	Number of times over the past twelve months that margin coverage held against any account fell below the actual marked-to-market exposure of that member account	Not Applicable *Note for 6.5 - The sufficiency of quantum of margins is back tested against market experience to evaluate performance at the targeted confidence level for each scrip/contract. NSE CLEARING LIMITED does not conduct back testing of margins for a member portfolio.
6.5.1.2	Specify if measured intraday/continuously or only once a day. If once a day, specify at what time of day.	Frequency of daily back-testing result measurements.	Not Applicable

<b>Disclosure Reference</b>	<b>Disclosure Title</b>	<b>Disclosure Description and Reporting Frequency</b>	<b>Quantitative Disclosures</b>
6.5.1.3	Specify if measured intraday/continuously or only once a day. If once a day, specify at what time of day.	Time of daily back-testing result if measured once a day.	Not Applicable
6.5.2	Results of back-testing of initial margin. At a minimum, this should include, for each clearing service and each initial margin model applied to that clearing service	Number of observations	Not Applicable
6.5.3	Results of back-testing of initial margin. At a minimum, this should include, for each clearing service and each initial margin model applied to that clearing service	Achieved coverage level	Not Applicable
6.5.4	Results of back-testing of initial margin. At a minimum, this should include, for each clearing service and each initial margin model applied to that clearing service	Where breaches of initial margin coverage (as defined in 6.5(a)) have occurred, report on size of uncovered exposure; Peak size	Not Applicable
6.5.5	Results of back-testing of initial margin. At a minimum, this should include, for each clearing service and each initial margin model applied to that clearing service	Where breaches of initial margin coverage (as defined in 6.5(a)) have occurred, report on size of uncovered exposure; Average Size	Not Applicable

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures																
6.6.1	Average Total Variation Margin Paid to the CCP by participants each business	Average Total Variation Margin Paid to the CCP by participants each business	<table border="1"> <thead> <tr> <th colspan="2">Average Variation Margin (INR Million)</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>1,613.63</td> </tr> <tr> <td>Futures and Options Segment</td> <td>9,386.47</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>713.97</td> </tr> <tr> <td>Debt Segment</td> <td></td> </tr> <tr> <td>Debt Instruments</td> <td>0.00</td> </tr> <tr> <td>Tri Party Repo</td> <td>0.00</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>1.50</td> </tr> </tbody> </table>	Average Variation Margin (INR Million)		Capital Market Segment	1,613.63	Futures and Options Segment	9,386.47	Currency Derivatives Segment	713.97	Debt Segment		Debt Instruments	0.00	Tri Party Repo	0.00	Commodity Derivatives Segment	1.50
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6.7.1	Maximum total variation margin paid to the CCP on any given business day over the period	Maximum total variation margin paid to the CCP on any given business day over the period	<table border="1"> <thead> <tr> <th colspan="2">Max Variation Margin (INR Million)</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>3,767.78</td> </tr> <tr> <td>Futures and Options Segment</td> <td>27,451.39</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>2,071.47</td> </tr> <tr> <td>Debt Segment</td> <td></td> </tr> <tr> <td>Debt Instruments</td> <td>0.00</td> </tr> <tr> <td>Tri Party Repo</td> <td>0.00</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>7.54</td> </tr> </tbody> </table>	Max Variation Margin (INR Million)		Capital Market Segment	3,767.78	Futures and Options Segment	27,451.39	Currency Derivatives Segment	2,071.47	Debt Segment		Debt Instruments	0.00	Tri Party Repo	0.00	Commodity Derivatives Segment	7.54
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6.8.1	Maximum aggregate initial margin call on any given business day over the period	Maximum aggregate initial margin call on any given business day over the period	Not Applicable																

## Principle 7: Liquidity Risk

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures																
7.1.1	Liquidity Risk	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' or 'Cover 2'.	Sufficient liquid resources maintained for 'Cover 2'																
7.1.2	Liquidity Risk	Size and composition of qualifying liquid resources for each clearing service; (a) Cash deposited at a central bank of issue of the currency concerned	NIL																
7.1.3	Liquidity Risk	Size and composition of qualifying liquid resources for each clearing service; (b) Cash deposited at other central banks	NIL																
7.1.4	Liquidity Risk	Size and composition of qualifying liquid resources for each clearing service; (c) Secured cash deposited at commercial banks (including reverse repo)	NIL																
7.1.5	Liquidity Risk	Size and composition of qualifying liquid resources for each clearing service; (d) Unsecured cash deposited at commercial banks	<table border="1"> <thead> <tr> <th colspan="2">INR Million</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>2,613.60</td> </tr> <tr> <td>Futures and Options Segment</td> <td>18,387.80</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>1,492.70</td> </tr> <tr> <td>Debt Segment</td> <td></td> </tr> <tr> <td>Debt Instruments</td> <td>47.50</td> </tr> <tr> <td>Tri Party Repo</td> <td>175.60</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>100.00</td> </tr> </tbody> </table>	INR Million		Capital Market Segment	2,613.60	Futures and Options Segment	18,387.80	Currency Derivatives Segment	1,492.70	Debt Segment		Debt Instruments	47.50	Tri Party Repo	175.60	Commodity Derivatives Segment	100.00
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Debt Instruments	47.50																		
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Commodity Derivatives Segment	100.00																		
7.1.6	Liquidity Risk	Size and composition of qualifying liquid resources for each clearing service; (e) secured committed	NIL																

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures
		lines of credit (ie those for which collateral/security will be provided by the CCP if drawn) including committed foreign exchange swaps and committed repos	
7.1.7	Liquidity Risk	Size and composition of qualifying liquid resources for each clearing service; (f) unsecured committed lines of credit (ie which the CCP may draw without providing collateral/security)	Line of Credit – INR 17,650 Million * NSE CLEARING LIMITED has entered into arrangements with select commercial banks, which are “clearing banks”, by way of committed lines of credit, to provide liquidity on need basis to NSE CLEARING LIMITED
7.1.8	Liquidity Risk	Size and composition of qualifying liquid resources for each clearing service; (g) highly marketable collateral held in custody and investments that are readily available and convertible into cash with prearranged and highly reliable funding arrangements even in extreme but plausible market conditions	NIL
7.1.9	Liquidity Risk	Size and composition of qualifying liquid resources for each clearing service; (h) other	NIL
7.1.10	Liquidity Risk	State whether the CCP has routine access to central bank liquidity or facilities.	No access to central bank liquidity



Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures																
7.1.11	Liquidity Risk	Details regarding the schedule of payments or priority for allocating payments, if such exists, and any applicable rule, policy, procedure, and governance arrangement around such decision making.	No such Set Priority.																
7.2.1	Size and composition of any supplementary liquidity risk resources for each clearing service above those qualifying liquid resources above.	Size and composition of any supplementary liquidity risk resources for each clearing service above those qualifying liquid resources in 7.1	NIL																
7.3.1	Liquidity Risk	Estimated largest same-day and, where relevant, intraday and multiday payment obligation in total that would be caused by the default of any single participant and its affiliates (including transactions cleared for indirect participants) in extreme but plausible market conditions; Forward looking measure reported quarterly	<p>Intra-day &amp; Multiday payment Obligation –NIL</p> <table border="1"> <thead> <tr> <th colspan="2">Estimated largest Same day Payment (INR Million)</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>26,415.32</td> </tr> <tr> <td>Futures and Options Segment</td> <td>8,297.00</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>722.59</td> </tr> <tr> <td>Debt Segment</td> <td></td> </tr> <tr> <td>Debt Instruments</td> <td>0.00</td> </tr> <tr> <td>Tri Party Repo</td> <td>0.00</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>9.04</td> </tr> </tbody> </table>	Estimated largest Same day Payment (INR Million)		Capital Market Segment	26,415.32	Futures and Options Segment	8,297.00	Currency Derivatives Segment	722.59	Debt Segment		Debt Instruments	0.00	Tri Party Repo	0.00	Commodity Derivatives Segment	9.04
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Debt Segment																			
Debt Instruments	0.00																		
Tri Party Repo	0.00																		
Commodity Derivatives Segment	9.04																		
7.3.2	Liquidity Risk	Report the number of business days, if any, on which the above amount exceeded its qualifying liquid resources (identified as in 7.1, and available at	<table border="1"> <thead> <tr> <th colspan="2">No of Business days exceeded</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>2</td> </tr> <tr> <td>Futures and Options Segment</td> <td>0</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>0</td> </tr> <tr> <td>Debt Segment</td> <td>0</td> </tr> </tbody> </table>	No of Business days exceeded		Capital Market Segment	2	Futures and Options Segment	0	Currency Derivatives Segment	0	Debt Segment	0						
No of Business days exceeded																			
Capital Market Segment	2																		
Futures and Options Segment	0																		
Currency Derivatives Segment	0																		
Debt Segment	0																		

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures												
		the point the breach occurred), and by how much.; No. of days in quarter													
7.3.3	Liquidity Risk	Number of business days, if any, on which the above amount exceeded its qualifying liquid resources (identified as in 7.1, and available at the point the breach occurred), and by how much; Amount of excess on each day	<table border="1"> <thead> <tr> <th colspan="2">Amount Exceeded 1 (INR Million)</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>455.38</td> </tr> <tr> <td>Futures and Options Segment</td> <td>0.00</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>0.00</td> </tr> <tr> <td>Debt Segment</td> <td>0.00</td> </tr> <tr> <td>Commodity Segment</td> <td>0.00</td> </tr> </tbody> </table>	Amount Exceeded 1 (INR Million)		Capital Market Segment	455.38	Futures and Options Segment	0.00	Currency Derivatives Segment	0.00	Debt Segment	0.00	Commodity Segment	0.00
Amount Exceeded 1 (INR Million)															
Capital Market Segment	455.38														
Futures and Options Segment	0.00														
Currency Derivatives Segment	0.00														
Debt Segment	0.00														
Commodity Segment	0.00														
7.3.3	Liquidity Risk	Number of business days, if any, on which the above amount exceeded its qualifying liquid resources (identified as in 7.1, and available at the point the breach occurred), and by how much; Amount of excess on each day	<table border="1"> <thead> <tr> <th colspan="2">Amount Exceeded 1 (INR Million)</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>535.35</td> </tr> <tr> <td>Futures and Options Segment</td> <td>0.00</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>0.00</td> </tr> <tr> <td>Debt Segment</td> <td>0.00</td> </tr> <tr> <td>Commodity Segment</td> <td>0.00</td> </tr> </tbody> </table>	Amount Exceeded 1 (INR Million)		Capital Market Segment	535.35	Futures and Options Segment	0.00	Currency Derivatives Segment	0.00	Debt Segment	0.00	Commodity Segment	0.00
Amount Exceeded 1 (INR Million)															
Capital Market Segment	535.35														
Futures and Options Segment	0.00														
Currency Derivatives Segment	0.00														
Debt Segment	0.00														
Commodity Segment	0.00														

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures																
7.3.4	Liquidity Risk	Actual largest intraday and multiday payment obligation of a single participant and its affiliates (including transactions cleared for indirect participants) over the past twelve months; Peak day amount in previous twelve months	<p>Intra-day &amp; Multiday payment Obligation –NIL</p> <table border="1"> <thead> <tr> <th colspan="2">Actual largest Same day Payment (INR Million)</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>22,012.76</td> </tr> <tr> <td>Futures and Options Segment</td> <td>6,914.16</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>602.16</td> </tr> <tr> <td>Debt Segment</td> <td></td> </tr> <tr> <td>Debt Instruments</td> <td>0.00</td> </tr> <tr> <td>Tri Party Repo</td> <td>0.00</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>7.54</td> </tr> </tbody> </table>	Actual largest Same day Payment (INR Million)		Capital Market Segment	22,012.76	Futures and Options Segment	6,914.16	Currency Derivatives Segment	602.16	Debt Segment		Debt Instruments	0.00	Tri Party Repo	0.00	Commodity Derivatives Segment	7.54
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Futures and Options Segment	6,914.16																		
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Debt Segment																			
Debt Instruments	0.00																		
Tri Party Repo	0.00																		
Commodity Derivatives Segment	7.54																		
7.3.5	Liquidity Risk	Estimated largest same-day and, where relevant, intraday and multiday payment obligation in each relevant currency that would be caused by the default of any single participant and its affiliates (including transactions cleared for indirect participants) in extreme but plausible market conditions; Forward looking measure reported quarterly	<p>The data is same as 7.3.1 as the settlements are only in Indian Rupees.</p> <p>Intra-day &amp; Multiday payment Obligation –NIL</p> <table border="1"> <thead> <tr> <th colspan="2">Estimated largest Same day Payment (INR Million)</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>26,415.32</td> </tr> <tr> <td>Futures and Options Segment</td> <td>8,297.00</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>722.59</td> </tr> <tr> <td>Debt Segment</td> <td></td> </tr> <tr> <td>Debt Instruments</td> <td>0.00</td> </tr> <tr> <td>Tri Party Repo</td> <td>0.00</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>9.04</td> </tr> </tbody> </table>	Estimated largest Same day Payment (INR Million)		Capital Market Segment	26,415.32	Futures and Options Segment	8,297.00	Currency Derivatives Segment	722.59	Debt Segment		Debt Instruments	0.00	Tri Party Repo	0.00	Commodity Derivatives Segment	9.04
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Debt Segment																			
Debt Instruments	0.00																		
Tri Party Repo	0.00																		
Commodity Derivatives Segment	9.04																		
7.3.6	Liquidity Risk	Number of business days, if any, on which the above amounts exceeded its qualifying liquid resources in each relevant currency (as identified in 7.1 and	NIL																

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures
		available at the point the breach occurred), and by how much	
7.3.7	Liquidity Risk	Report the number of business days, if any, on which the above amounts exceeded its qualifying liquid resources in each relevant currency (as identified in 7.1 and available at the point the breach occurred), and by how much; Amount of excess on each day	NIL

## Principle 12: Exchange of Value Settlement Systems

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures																
12.1.1	Percentage of settlements by value effected using a DvP, DvD or Pvp settlement mechanism	Percentage of settlements by value effected using a DvP settlement mechanism	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">DvP</th> </tr> </thead> <tbody> <tr> <td style="width: 80%;">Capital Market Segment</td> <td style="text-align: center;">100%</td> </tr> <tr> <td>Futures and Options Segment</td> <td style="text-align: center;">1%</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td style="text-align: center;">0%</td> </tr> <tr> <td>Debt Segment</td> <td></td> </tr> <tr> <td>Debt Instruments</td> <td style="text-align: center;">100%</td> </tr> <tr> <td>Tri Party Repo</td> <td style="text-align: center;">0%</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td style="text-align: center;">100%</td> </tr> </tbody> </table>	DvP		Capital Market Segment	100%	Futures and Options Segment	1%	Currency Derivatives Segment	0%	Debt Segment		Debt Instruments	100%	Tri Party Repo	0%	Commodity Derivatives Segment	100%
DvP																			
Capital Market Segment	100%																		
Futures and Options Segment	1%																		
Currency Derivatives Segment	0%																		
Debt Segment																			
Debt Instruments	100%																		
Tri Party Repo	0%																		
Commodity Derivatives Segment	100%																		
12.1.2	Percentage of settlements by value effected using a DvP, DvD or Pvp settlement mechanism	Percentage of settlements by value effected using a DvD settlement mechanism	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">DvD</th> </tr> </thead> <tbody> <tr> <td style="width: 80%;">Capital Market Segment</td> <td style="text-align: center;">0%</td> </tr> <tr> <td>Futures and Options Segment</td> <td style="text-align: center;">0%</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td style="text-align: center;">0%</td> </tr> <tr> <td>Debt Segment</td> <td style="text-align: center;">0%</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td style="text-align: center;">0%</td> </tr> </tbody> </table>	DvD		Capital Market Segment	0%	Futures and Options Segment	0%	Currency Derivatives Segment	0%	Debt Segment	0%	Commodity Derivatives Segment	0%				
DvD																			
Capital Market Segment	0%																		
Futures and Options Segment	0%																		
Currency Derivatives Segment	0%																		
Debt Segment	0%																		
Commodity Derivatives Segment	0%																		
12.1.3	Percentage of settlements by value effected using a DvP, DvD or Pvp settlement mechanism	Percentage of settlements by value effected using a Pvp settlement mechanism	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Pvp</th> </tr> </thead> <tbody> <tr> <td style="width: 80%;">Capital Market Segment</td> <td style="text-align: center;">0%</td> </tr> <tr> <td>Futures and Options Segment</td> <td style="text-align: center;">99%</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td style="text-align: center;">100%</td> </tr> <tr> <td>Debt Segment</td> <td></td> </tr> <tr> <td>Debt Instrument</td> <td style="text-align: center;">0%</td> </tr> <tr> <td>Tri Party Repo</td> <td style="text-align: center;">100%</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td style="text-align: center;">0%</td> </tr> </tbody> </table>	Pvp		Capital Market Segment	0%	Futures and Options Segment	99%	Currency Derivatives Segment	100%	Debt Segment		Debt Instrument	0%	Tri Party Repo	100%	Commodity Derivatives Segment	0%
Pvp																			
Capital Market Segment	0%																		
Futures and Options Segment	99%																		
Currency Derivatives Segment	100%																		
Debt Segment																			
Debt Instrument	0%																		
Tri Party Repo	100%																		
Commodity Derivatives Segment	0%																		

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures																
12.2.1	Percentage of settlements by volume effected using a DvP, DvD or Pvp settlement mechanism	Percentage of settlements by volume effected using a DvP settlement mechanism	<table border="1"> <thead> <tr> <th colspan="2">DvP</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>100%</td> </tr> <tr> <td>Futures and Options Segment</td> <td>1%</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>0%</td> </tr> <tr> <td>Debt Segment</td> <td></td> </tr> <tr> <td>Debt Instruments</td> <td>100%</td> </tr> <tr> <td>Tri Party Repo</td> <td>0%</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>100%</td> </tr> </tbody> </table>	DvP		Capital Market Segment	100%	Futures and Options Segment	1%	Currency Derivatives Segment	0%	Debt Segment		Debt Instruments	100%	Tri Party Repo	0%	Commodity Derivatives Segment	100%
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Capital Market Segment	100%																		
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Debt Instruments	100%																		
Tri Party Repo	0%																		
Commodity Derivatives Segment	100%																		
12.2.2	Percentage of settlements by volume effected using a DvP, DvD or Pvp settlement mechanism	Percentage of settlements by volume effected using a DvD settlement mechanism	<table border="1"> <thead> <tr> <th colspan="2">DvD</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>0%</td> </tr> <tr> <td>Futures and Options Segment</td> <td>0%</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>0%</td> </tr> <tr> <td>Debt Segment</td> <td>0%</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>0%</td> </tr> </tbody> </table>	DvD		Capital Market Segment	0%	Futures and Options Segment	0%	Currency Derivatives Segment	0%	Debt Segment	0%	Commodity Derivatives Segment	0%				
DvD																			
Capital Market Segment	0%																		
Futures and Options Segment	0%																		
Currency Derivatives Segment	0%																		
Debt Segment	0%																		
Commodity Derivatives Segment	0%																		
12.2.3	Percentage of settlements by volume effected using a DvP, DvD or Pvp settlement mechanism	Percentage of settlements by volume effected using a Pvp settlement mechanism	<table border="1"> <thead> <tr> <th colspan="2">Pvp</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>0%</td> </tr> <tr> <td>Futures and Options Segment</td> <td>99%</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>100%</td> </tr> <tr> <td>Debt Segment</td> <td></td> </tr> <tr> <td>Debt Instrument</td> <td>0%</td> </tr> <tr> <td>Tri Party Repo</td> <td>100%</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>0%</td> </tr> </tbody> </table>	Pvp		Capital Market Segment	0%	Futures and Options Segment	99%	Currency Derivatives Segment	100%	Debt Segment		Debt Instrument	0%	Tri Party Repo	100%	Commodity Derivatives Segment	0%
Pvp																			
Capital Market Segment	0%																		
Futures and Options Segment	99%																		
Currency Derivatives Segment	100%																		
Debt Segment																			
Debt Instrument	0%																		
Tri Party Repo	100%																		
Commodity Derivatives Segment	0%																		

### Principle 13: Default Rules and Procedures

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures
13.1.1	quantitative information related to defaults	Quantitative information related to defaults; Amount of loss versus amount of initial margin	Not Applicable
13.1.2	quantitative information related to defaults	Quantitative information related to defaults; Amount of other financial resources used to cover losses	Not Applicable
13.1.3.1	quantitative information related to defaults	Quantitative information related to defaults; Proportion of client positions closed-out	Not Applicable
13.1.3.2	quantitative information related to defaults	Quantitative information related to defaults; Proportion of client positions ported	Not Applicable
13.1.4	quantitative information related to defaults	Quantitative information related to defaults; Appropriate references to other published material related to the defaults	Not Applicable

## Principle 14: Segregation and Portability

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures
14.1.1	Total Client Positions held as a share of notional values cleared or of the settlement value of securities transactions	Total Client Positions held in individually segregated accounts	Not Applicable  * Note for 14.1 - NSE CLEARING LIMITED calculates client positions separately and uses separate accounts to maintain them. As a result, the positions are fully segregated at client level. Based on client positions, NSE CLEARING LIMITED also calculates margin requirements separately for each client. NSE CLEARING LIMITED however does not accept collateral from clients and clearing members are required to deposit their own assets as collateral for meeting margin requirements of proprietary as well as client positions.
14.1.2	Total Client Positions held as a share of notional values cleared or of the settlement value of securities transactions	Total Client Positions held in omnibus client-only accounts, other than LSOC accounts	Not Applicable
14.1.3	Total Client Positions held as a share of notional values cleared or of the settlement value of securities transactions	Total Client Positions held in legally segregated but operationally comingled (LSOC) accounts	Not Applicable
14.1.4	Total Client Positions held as a share of notional values cleared or of the settlement value of securities transactions	Total Client Positions held in comingled house and client accounts	Not Applicable



## Principle 15: General Business Risk\*

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures										
15.1.1	General business risk	Value of liquid net assets funded by equity	INR 4,788.60 Million										
15.1.2	General business risk	Six months of current operating expenses	INR 606.15 Million										
15.2.1	General business risk; Financial Disclosures	Total Revenue	INR 3,725.50 Million										
15.2.2	General business risk; Financial Disclosures	Total Expenditure	INR 1,212.30 Million										
15.2.3	General business risk; Financial Disclosures	Profits	INR 1,586.00 Million										
15.2.4	General business risk; Financial Disclosures	Total Assets	INR 94,915.60 Million										
15.2.5	General business risk; Financial Disclosures	Total Liabilities	INR 94,915.60 Million										
15.2.6	General business risk; Financial Disclosures	Explain if collateral posted by clearing participants is held on or off the CCP's balance sheet	Cash collateral is held on the balance sheet. Cash equivalents such as bank guarantees, fixed deposits receipts and Non-cash collateral is held off the balance sheet.										
15.2.7	General business risk; Financial Disclosures	Additional items as necessary											
15.3.1	General business risk; Income breakdown	Percentage of total income that comes from fees related to provision of clearing services	<table border="1"> <tbody> <tr> <td>Capital Market Segment</td> <td>8.14%</td> </tr> <tr> <td>Futures and Options Segment</td> <td>22.44%</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>1.69%</td> </tr> <tr> <td>Debt Segment</td> <td>NIL</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>NIL</td> </tr> </tbody> </table>	Capital Market Segment	8.14%	Futures and Options Segment	22.44%	Currency Derivatives Segment	1.69%	Debt Segment	NIL	Commodity Derivatives Segment	NIL
Capital Market Segment	8.14%												
Futures and Options Segment	22.44%												
Currency Derivatives Segment	1.69%												
Debt Segment	NIL												
Commodity Derivatives Segment	NIL												
15.3.2	General business risk; Income breakdown	Percentage of total income that comes from the reinvestment (or rehypothecation) of assets provided by clearing participants	NIL										

\*Based on Audited financial statement of 31.03.2018

## Principle 16: Custody and Investment Risks

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures														
16.1.1	Total cash (but not securities) received from participants, regardless of the form in which it is held, deposited or invested, split by whether it was received as initial margin or default fund contribution	Total cash (but not securities) received from participants, regardless of the form in which it is held, deposited or invested, received as initial margin	INR Million <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Capital Market Segment</td> <td style="text-align: right;">1,783.12</td> </tr> <tr> <td>Futures and Options Segment</td> <td style="text-align: right;">11,636.92</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td style="text-align: right;">113.05</td> </tr> <tr> <td>Debt Segment</td> <td></td> </tr> <tr> <td>Debt Instruments</td> <td style="text-align: right;">3.00</td> </tr> <tr> <td>Tri Party Repo</td> <td style="text-align: right;">0.00</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td style="text-align: right;">13.10</td> </tr> </table>	Capital Market Segment	1,783.12	Futures and Options Segment	11,636.92	Currency Derivatives Segment	113.05	Debt Segment		Debt Instruments	3.00	Tri Party Repo	0.00	Commodity Derivatives Segment	13.10
Capital Market Segment	1,783.12																
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Currency Derivatives Segment	113.05																
Debt Segment																	
Debt Instruments	3.00																
Tri Party Repo	0.00																
Commodity Derivatives Segment	13.10																
16.1.2	Total cash (but not securities) received from participants, regardless of the form in which it is held, deposited or invested, split by whether it was received as initial margin or default fund contribution	Total cash (but not securities) received from participants, regardless of the form in which it is held, deposited or invested, received as default fund contribution	NIL														
16.2.1	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash held as cash deposits (including through reverse repo)	100%														
16.2.2	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash held as cash deposits (including through reverse repo); as cash deposits at central banks of issue of the currency deposited	NIL														
16.2.3	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash held as cash deposits (including through reverse repo); as cash deposits at other central banks	NIL														

<b>Disclosure Reference</b>	<b>Disclosure Title</b>	<b>Disclosure Description and Reporting Frequency</b>	<b>Quantitative Disclosures</b>
16.2.4	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash held as cash deposits (including through reverse repo); as cash deposits at commercial banks (Secured, including through reverse repo)	NIL
16.2.5	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash held as cash deposits (including through reverse repo); as cash deposits at commercial banks (Unsecured)	100%
16.2.6	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash held as cash deposits (including through reverse repo); in money market funds	NIL
16.2.7	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash held as cash deposits (including through reverse repo); in other forms	NIL
16.2.8	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash held as cash deposits (including through reverse repo); percentage split by currency of these cash deposits (including reverse repo) and money market funds by CCY; Specify local currency in comments	NIL

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures																				
16.2.9	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash held as cash deposits (including through reverse repo); weighted average maturity of these cash deposits (including reverse repo) and money market funds	<table border="1"> <tr> <td>Capital Market Segment</td> <td>100%</td> </tr> <tr> <td>Futures and Options Segment</td> <td>100%</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>Held as Cash</td> </tr> <tr> <td>Debt Segment</td> <td>Held as Cash</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>Held as Cash</td> </tr> </table> <p style="text-align: right;">(In days)</p> <table border="1"> <tr> <td>Capital Market Segment</td> <td>246</td> </tr> <tr> <td>Futures and Options Segment</td> <td>629</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>Not applicable</td> </tr> <tr> <td>Debt Segment</td> <td>Not applicable</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>Not applicable</td> </tr> </table>	Capital Market Segment	100%	Futures and Options Segment	100%	Currency Derivatives Segment	Held as Cash	Debt Segment	Held as Cash	Commodity Derivatives Segment	Held as Cash	Capital Market Segment	246	Futures and Options Segment	629	Currency Derivatives Segment	Not applicable	Debt Segment	Not applicable	Commodity Derivatives Segment	Not applicable
Capital Market Segment	100%																						
Futures and Options Segment	100%																						
Currency Derivatives Segment	Held as Cash																						
Debt Segment	Held as Cash																						
Commodity Derivatives Segment	Held as Cash																						
Capital Market Segment	246																						
Futures and Options Segment	629																						
Currency Derivatives Segment	Not applicable																						
Debt Segment	Not applicable																						
Commodity Derivatives Segment	Not applicable																						
16.2.10	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash invested in securities; Domestic sovereign government bonds	NIL																				
16.2.11	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash invested in securities; Other sovereign government bonds	NIL																				
16.2.12	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash invested in securities; Agency Bonds	NIL																				

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures
16.2.13	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash invested in securities; State/municipal bonds	NIL
16.2.14	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash invested in securities; Other instruments	NIL
16.2.15	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash invested in securities; percentage split by currency of these securities; Specify local currency in comments;	NIL
16.2.16	How total cash received from participants (16.1) is held/deposited/invested, including;	Weighted average maturity of securities	NIL
16.2.17	How total cash received from participants (16.1) is held/deposited/invested, including;	Provide an estimate of the risk on the investment portfolio (excluding central bank and commercial bank deposits) (99% one-day VaR, or equivalent)	*Investment is placed in Fixed Deposits and Certificate of Deposits with banks meeting prescribed minimum Capital Adequacy ratio and net worth requirements. Investments are also made in units of liquid mutual funds offering debt schemes based on the liquidity need, attractiveness of expected returns and safety of investment.
16.2.18	How total cash received from participants (16.1) is held/deposited/invested, including;	State if the CCP investment policy sets a limit on the proportion of the investment portfolio that may be allocated to a single counterparty, and the size of that limit.	*The exposure in Fixed Deposits/Certificate of deposits to a single approved bank cannot exceed a minimum prescribed percentage of the portfolio. The exposure limit to a bank is further subject to limits based on the net worth of the bank. The exposure in any fund house is subject to limits specified based on average asset under management of the fund house. Further the investment in any

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures
			scheme of mutual funds cannot exceed a minimum prescribed percentage of the corpus of the scheme.
16.2.19	How total cash received from participants (16.1) is held/deposited/invested, including;	State the number of times over the previous quarter in which this limit has been exceeded.	NIL
16.2.20	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash held as securities.	NIL
16.3.1	Rehypothecation of participant assets (ie non-cash)	Total value of participant non-cash rehypothecated (Initial margin)	NIL
16.3.2	Rehypothecation of participant assets (ie non-cash)	Total value of participant non-cash rehypothecated (Default fund)	NIL
16.3.3	Rehypothecation of participant assets (ie non-cash)	Rehypothecation of participant assets (ie non-cash) by the CCP where allowed; initial margin; over the following maturities: Overnight/one day; one day and up to one week; One week and up to one month; One month and up to one year; One year and up to two years; Over two years	NIL

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures
16.3.4	Rehypothecation of participant assets (ie non-cash)	Rehypothecation of participant assets (ie non-cash); default fund; over the following maturities: Overnight/one day; one day and up to one week; One week and up to one month; One month and up to one year; One year and up to two years; Over two years	NIL

## Principle 17: Operational Risk

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures
17.1.1	Operational availability target for the core system(s) involved in clearing (whether or not outsourced) over specified period for the system (e.g. 99.99% over a twelve-month period)	Operational availability target for the core system(s) involved in clearing (whether or not outsourced) over specified period for the system (e.g. 99.99% over a twelve-month period)	For the period January 2018 - December 2018 100%
17.2.1	Actual availability of the core system(s) over the previous twelve month period	Actual availability of the core system(s) over the previous twelve month period	For the period January 2018 - December 2018 100%
17.3.1	Total number of failures	Total number of failures and duration affecting the core system(s) involved in clearing over the previous twelve month period	For the period January 2018 - December 2018 00:00:00
17.4.1	Recovery time objective(s)	Recovery time objective(s) (e.g. within two hours)	within 4 hours



## Principle 18: Access and Participation Requirements

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures														
18.1.1.1	Number of clearing members, by clearing service	Number of general clearing members	<table border="1"> <tr> <td>Capital Market Segment</td> <td>1130</td> </tr> <tr> <td>Futures and Options Segment</td> <td>323</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>135</td> </tr> <tr> <td>Debt Segment</td> <td></td> </tr> <tr> <td>Debt Instruments</td> <td>85</td> </tr> <tr> <td>Tri Party Repo</td> <td>6</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>14</td> </tr> </table>	Capital Market Segment	1130	Futures and Options Segment	323	Currency Derivatives Segment	135	Debt Segment		Debt Instruments	85	Tri Party Repo	6	Commodity Derivatives Segment	14
Capital Market Segment	1130																
Futures and Options Segment	323																
Currency Derivatives Segment	135																
Debt Segment																	
Debt Instruments	85																
Tri Party Repo	6																
Commodity Derivatives Segment	14																
18.1.1.2	Number of clearing members, by clearing service	Number of direct clearing members	NIL														
18.1.1.3	Number of clearing members, by clearing service	Number of others category (Describe in comments)	<table border="1"> <tr> <td>Capital Market Segment</td> <td>23</td> </tr> <tr> <td>Futures and Options Segment</td> <td>12</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>5</td> </tr> <tr> <td>Debt Segment</td> <td></td> </tr> <tr> <td>Debt Instruments</td> <td>5</td> </tr> <tr> <td>Tri Party Repo</td> <td>0</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>2</td> </tr> </table> <p>* The Other category represents Custodians in Capital Market Segment and Professional Clearing Members in Derivatives Segment that only clear trades for clients.</p>	Capital Market Segment	23	Futures and Options Segment	12	Currency Derivatives Segment	5	Debt Segment		Debt Instruments	5	Tri Party Repo	0	Commodity Derivatives Segment	2
Capital Market Segment	23																
Futures and Options Segment	12																
Currency Derivatives Segment	5																
Debt Segment																	
Debt Instruments	5																
Tri Party Repo	0																
Commodity Derivatives Segment	2																
18.1.2.1	Number of clearing members, by clearing service	Number of central bank participants	NIL														
18.1.2.2	Number of clearing members, by clearing service	Number of CCP participants	NIL														

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures														
18.1.2.3	Number of clearing members, by clearing service	Number of bank participants	<table border="1"> <tr> <td>Capital Market Segment</td> <td>13</td> </tr> <tr> <td>Futures and Options Segment</td> <td>7</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>28</td> </tr> <tr> <td>Debt Segment</td> <td></td> </tr> <tr> <td>Debt Instruments</td> <td>6</td> </tr> <tr> <td>Tri Party Repo</td> <td>2</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>0</td> </tr> </table> <p>*General Clearing Members and members falling in Others Category as reported for 18.1.1.1 and 18.1.1.3 that are banks whether they come under Indian or foreign jurisdiction.</p>	Capital Market Segment	13	Futures and Options Segment	7	Currency Derivatives Segment	28	Debt Segment		Debt Instruments	6	Tri Party Repo	2	Commodity Derivatives Segment	0
Capital Market Segment	13																
Futures and Options Segment	7																
Currency Derivatives Segment	28																
Debt Segment																	
Debt Instruments	6																
Tri Party Repo	2																
Commodity Derivatives Segment	0																
18.1.2.4	Number of clearing members, by clearing service	Number of other participants (Describe in comments)	NIL														
18.1.3.1	Number of clearing members, by clearing service	Number of domestic participants	<table border="1"> <tr> <td>Capital Market Segment</td> <td>1146</td> </tr> <tr> <td>Futures and Options Segment</td> <td>333</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>138</td> </tr> <tr> <td>Debt Segment</td> <td></td> </tr> <tr> <td>Debt Instrument</td> <td>89</td> </tr> <tr> <td>Tri Party Repo</td> <td>6</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>16</td> </tr> </table> <p>*General Clearing Members and members falling in Others Category as reported for 18.1.1.1 and 18.1.1.3 that come under Indian jurisdiction</p>	Capital Market Segment	1146	Futures and Options Segment	333	Currency Derivatives Segment	138	Debt Segment		Debt Instrument	89	Tri Party Repo	6	Commodity Derivatives Segment	16
Capital Market Segment	1146																
Futures and Options Segment	333																
Currency Derivatives Segment	138																
Debt Segment																	
Debt Instrument	89																
Tri Party Repo	6																
Commodity Derivatives Segment	16																
18.1.3.2	Number of clearing members, by clearing service	Number of foreign participants	<table border="1"> <tr> <td>Capital Market Segment</td> <td>7</td> </tr> <tr> <td>Futures and Options Segment</td> <td>2</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>2</td> </tr> <tr> <td>Debt Segment</td> <td></td> </tr> <tr> <td>Debt Instruments</td> <td>1</td> </tr> <tr> <td>Tri Party Repo</td> <td>0</td> </tr> <tr> <td>Commodity Derivatives</td> <td>0</td> </tr> </table>	Capital Market Segment	7	Futures and Options Segment	2	Currency Derivatives Segment	2	Debt Segment		Debt Instruments	1	Tri Party Repo	0	Commodity Derivatives	0
Capital Market Segment	7																
Futures and Options Segment	2																
Currency Derivatives Segment	2																
Debt Segment																	
Debt Instruments	1																
Tri Party Repo	0																
Commodity Derivatives	0																

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures																				
			<table border="1" data-bbox="986 315 1492 353"> <tr> <td data-bbox="986 315 1409 353">Segment</td> <td data-bbox="1409 315 1492 353"></td> </tr> </table> <p data-bbox="986 398 1492 660">*General Clearing Members and members falling in Others Category as reported for 18.1.1.1 and 18.1.1.3 that come under foreign jurisdiction are Custodians/Members who are operating in India as foreign bank branch.</p>			Segment																	
Segment																							
18.2.1	Open Position Concentration	For each clearing service with ten or more members, but fewer than 25 members; Percentage of open positions held by the largest five clearing members, including both house and client, in aggregate; Average and Peak over the quarter	<table border="1" data-bbox="986 705 1492 869"> <thead> <tr> <th data-bbox="986 705 1217 743"></th> <th data-bbox="1217 705 1332 743">Peak</th> <th data-bbox="1332 705 1492 743">Average</th> </tr> </thead> <tbody> <tr> <td data-bbox="986 743 1217 869">Commodity Derivatives Segment</td> <td data-bbox="1217 743 1332 869">100%</td> <td data-bbox="1332 743 1492 869">100%</td> </tr> </tbody> </table>				Peak	Average	Commodity Derivatives Segment	100%	100%												
	Peak	Average																					
Commodity Derivatives Segment	100%	100%																					
18.2.2	Open Position Concentration	For each clearing service with 25 or more members; Percentage of open positions held by the largest five clearing members, including both house and client, in aggregate; Average and Peak over the quarter	<table border="1" data-bbox="986 1209 1492 1731"> <thead> <tr> <th data-bbox="986 1209 1217 1247"></th> <th data-bbox="1217 1209 1332 1247">Peak</th> <th data-bbox="1332 1209 1492 1247">Average</th> </tr> </thead> <tbody> <tr> <td data-bbox="986 1247 1217 1337">Capital Market Segment</td> <td data-bbox="1217 1247 1332 1337">60%</td> <td data-bbox="1332 1247 1492 1337">47%</td> </tr> <tr> <td data-bbox="986 1337 1217 1449">Futures and Options Segment</td> <td data-bbox="1217 1337 1332 1449">43%</td> <td data-bbox="1332 1337 1492 1449">41%</td> </tr> <tr> <td data-bbox="986 1449 1217 1572">Currency Derivatives Segment</td> <td data-bbox="1217 1449 1332 1572">62%</td> <td data-bbox="1332 1449 1492 1572">56%</td> </tr> <tr> <td data-bbox="986 1572 1217 1617">Debt Segment</td> <td data-bbox="1217 1572 1332 1617">NA</td> <td data-bbox="1332 1572 1492 1617">NA</td> </tr> <tr> <td data-bbox="986 1617 1217 1731">Commodity Derivatives Segment</td> <td data-bbox="1217 1617 1332 1731">NA</td> <td data-bbox="1332 1617 1492 1731">NA</td> </tr> </tbody> </table>				Peak	Average	Capital Market Segment	60%	47%	Futures and Options Segment	43%	41%	Currency Derivatives Segment	62%	56%	Debt Segment	NA	NA	Commodity Derivatives Segment	NA	NA
	Peak	Average																					
Capital Market Segment	60%	47%																					
Futures and Options Segment	43%	41%																					
Currency Derivatives Segment	62%	56%																					
Debt Segment	NA	NA																					
Commodity Derivatives Segment	NA	NA																					

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures		
18.2.3	Open Position Concentration	For each clearing service with 25 or more members; Percentage of open positions held by the largest ten clearing members, including both house and client, in aggregate; Average and Peak over the quarter		Peak	Average
			Capital Market Segment	81%	65%
			Futures and Options Segment	62%	60%
			Currency Derivatives Segment	77%	73%
			Debt Segment	NA	NA
			Commodity Derivatives Segment	NA	NA
18.3.1	Initial Margin Concentration	For each clearing service with ten or more members, but fewer than 25 members; Percentage of initial margin posted by the largest five clearing members, including both house and client, in aggregate; Average and Peak over the quarter		Peak	Average
			Commodity Derivatives Segment	91%	81%
18.3.2	Initial Margin Concentration	For each clearing service with 25 or more members; Percentage of initial margin posted by the largest five clearing members, including both house and client, in aggregate; Average and Peak over the quarter		Peak	Average
			Capital Market Segment	51%	39%
			Futures and Options Segment	38%	36%
			Currency Derivatives Segment	37%	32%
			Debt Segment	NA	NA
			Commodity Derivatives Segment	NA	NA

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures																		
18.3.3	Initial Margin Concentration	For each clearing service with 25 or more members; Percentage of initial margin posted by the largest ten clearing members, including both house and client, in aggregate; Average and Peak over the quarter	<table border="1"> <thead> <tr> <th></th> <th>Peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>62%</td> <td>48%</td> </tr> <tr> <td>Futures and Options Segment</td> <td>58%</td> <td>56%</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>59%</td> <td>45%</td> </tr> <tr> <td>Debt Segment</td> <td>NA</td> <td>NA</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>NA</td> <td>NA</td> </tr> </tbody> </table>		Peak	Average	Capital Market Segment	62%	48%	Futures and Options Segment	58%	56%	Currency Derivatives Segment	59%	45%	Debt Segment	NA	NA	Commodity Derivatives Segment	NA	NA
	Peak	Average																			
Capital Market Segment	62%	48%																			
Futures and Options Segment	58%	56%																			
Currency Derivatives Segment	59%	45%																			
Debt Segment	NA	NA																			
Commodity Derivatives Segment	NA	NA																			
18.4.1	Segregated Default Fund Concentration	For each segregated default fund with ten or more members, but fewer than 25 members; Percentage of participant contributions to the default fund contributed by largest five clearing members in aggregate	Not Applicable *Currently participants are not required to contribute to the Core Settlement Guarantee Fund in Commodity Derivatives Segment																		
18.4.2	Segregated Default Fund Concentration	For each segregated default fund with 25 or more members; Percentage of participant contributions to the default fund contributed by largest five clearing members in aggregate	Not Applicable *Currently participants are not required to contribute to the Core Settlement Guarantee Fund in Capital Market Segment, Futures and Options Segment, Currency Derivatives Segment and Debt Segment.																		
18.4.3	Segregated Default Fund Concentration	For each segregated default fund with 25 or more members; Percentage of participant contributions to the default fund contributed by largest	Not Applicable *Currently participants are not required to contribute to the Core Settlement Guarantee Fund in Capital Market Segment, Futures and Options Segment, Currency Derivatives Segment and Debt Segment.																		

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures
		ten clearing members in aggregate	

## Principle 19: Tiered Participation Arrangements

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures														
19.1.1	Tiered participation arrangements, measures of concentration of client clearing	Number of clients (if known)	Not Applicable														
19.1.2	Tiered participation arrangements, measures of concentration of client clearing	Number of direct members that clear for clients	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Capital Market Segment</td> <td style="text-align: center;">1153</td> </tr> <tr> <td>Futures and Options Segment</td> <td style="text-align: center;">335</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td style="text-align: center;">140</td> </tr> <tr> <td>Debt Segment</td> <td></td> </tr> <tr> <td style="padding-left: 20px;">Debt Instrument</td> <td style="text-align: center;">90</td> </tr> <tr> <td style="padding-left: 20px;">Tri Party Repo</td> <td style="text-align: center;">4</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td style="text-align: center;">16</td> </tr> </table> <p>*General Clearing Members and members falling in Others Category as reported for 18.1.1.1 and 18.1.1.3.</p>	Capital Market Segment	1153	Futures and Options Segment	335	Currency Derivatives Segment	140	Debt Segment		Debt Instrument	90	Tri Party Repo	4	Commodity Derivatives Segment	16
Capital Market Segment	1153																
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Currency Derivatives Segment	140																
Debt Segment																	
Debt Instrument	90																
Tri Party Repo	4																
Commodity Derivatives Segment	16																
19.1.3.1	Tiered participation arrangements, measures of concentration of client clearing	Percent of client transactions attributable to the top five clearing members (if CCP has 10+ clearing members) - Peak	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;"></td> <td style="text-align: center;">Peak</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td style="text-align: center;">100%</td> </tr> </table>		Peak	Commodity Derivatives Segment	100%										
	Peak																
Commodity Derivatives Segment	100%																
19.1.3.2	Tiered participation arrangements, measures of concentration of client clearing	Percent of client transactions attributable to the top five clearing members (if CCP has 10+ clearing members) - Average	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;"></td> <td style="text-align: center;">Average</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td style="text-align: center;">100%</td> </tr> </table>		Average	Commodity Derivatives Segment	100%										
	Average																
Commodity Derivatives Segment	100%																

19.1.4.1	Tiered participation arrangements, measures of concentration of client clearing	Percent of client transactions attributable to the top ten clearing members (if CCP has 25+ clearing members) - Peak	<table border="1"> <thead> <tr> <th></th> <th>Peak</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>NA</td> </tr> <tr> <td>Futures and Options Segment</td> <td>63%</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>68%</td> </tr> <tr> <td>Debt Segment</td> <td>NA</td> </tr> </tbody> </table>		Peak	Capital Market Segment	NA	Futures and Options Segment	63%	Currency Derivatives Segment	68%	Debt Segment	NA
	Peak												
Capital Market Segment	NA												
Futures and Options Segment	63%												
Currency Derivatives Segment	68%												
Debt Segment	NA												
19.1.4.2	Tiered participation arrangements, measures of concentration of client clearing	Percent of client transactions attributable to the top ten clearing members (if CCP has 25+ clearing members) - Average	<table border="1"> <thead> <tr> <th></th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>Capital Market Segment</td> <td>NA</td> </tr> <tr> <td>Futures and Options Segment</td> <td>62%</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>62%</td> </tr> <tr> <td>Debt Segment</td> <td>NA</td> </tr> </tbody> </table>		Average	Capital Market Segment	NA	Futures and Options Segment	62%	Currency Derivatives Segment	62%	Debt Segment	NA
	Average												
Capital Market Segment	NA												
Futures and Options Segment	62%												
Currency Derivatives Segment	62%												
Debt Segment	NA												



## Principle 20: FMI Links

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures
20.1.1	FMI Links, Value of Trades	Value of trades cleared through each link – as a share of total trade values/total notional values cleared	Not Applicable
20.2.1	FMI Links, Initial Margin or equivalent financial resources provided	Initial margin or equivalent financial resources provided to each linked CCP by the CCP to cover the potential future exposure of the linked CCP on contracts cleared across link	Not Applicable
20.3.1	FMI Links, Initial Margin or equivalent financial resources collected	Initial margin or equivalent financial resources collected from each linked CCP to cover potential future exposure to the linked CCP on contracts cleared across link (at market value and post haircut)	Not Applicable
20.4.1.1	FMI Links, Results of Back-testing coverage	Number of times over the past twelve months that coverage provided by margin and equivalent financial resources held against each linked CCP fell below the actual marked-to-market exposure to that linked CCP – based on daily back testing results; Intraday or Continuous or Once-a-day	Not Applicable

<b>Disclosure Reference</b>	<b>Disclosure Title</b>	<b>Disclosure Description and Reporting Frequency</b>	<b>Quantitative Disclosures</b>
20.4.1.2	FMI Links, Results of Back-testing coverage	Back-testing results frequency - state if measured intraday/continuously /once a day	Not Applicable
20.4.1.3	FMI Links, Results of Back-testing coverage	If 20.4.1.2 is 'once a day' then the time of day measure is taken, otherwise blank	Not Applicable
20.4.2	FMI Links, Results of Back-testing coverage	Number of observations (i.e. number of accounts multiplied by number of days covered in the back test); Intraday or Continuous or Once-a-day	Not Applicable
20.4.3	FMI Links, Results of Back-testing coverage	Achieved coverage level	Not Applicable
20.5.1.1	FMI Links, Additional pre-funded financial resources provided to	Additional pre-funded financial resources (if any) beyond initial margin and equivalent financial resources provided to each linked CCP, that are available to the linked CCP to cover exposures to the CCP	Not Applicable
20.5.1.2	FMI Links, Additional pre-funded financial resources provided to	Whether part of, additional to, or separate from the standard default fund	Not Applicable
20.6.1.1	FMI Links, Additional pre-funded financial resources collected from	Additional pre-funded financial resources (if any) beyond initial margin and equivalent financial resources collected from each linked CCP, that are available to the linked CCP to cover exposures to the CCP	Not Applicable

<b>Disclosure Reference</b>	<b>Disclosure Title</b>	<b>Disclosure Description and Reporting Frequency</b>	<b>Quantitative Disclosures</b>
20.6.1.2	FMI Links, Additional pre-funded financial resources collected from	Whether part of, additional to, or separate from the standard default fund	Not Applicable
20.7.1	FMI Links, Cross Margining	Value of trades subject to cross margining, by clearing service, as a percentage of total trade values/total notional values cleared	Not Applicable
20.7.2	FMI Links, Cross Margining	Reduction in total initial margin held by the CCP as a result of cross margining, as a percentage of total initial margin that would otherwise have been held.	Not Applicable

## Principle 23: Disclosure of Rules, Key Procedures and Market Data

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures	
23.1.1	Disclosure of rules, key procedures, and market data; Average Daily Volumes	Average Daily Volumes by Asset Class, Instrument, CCY and Over-the-Counter(OTC) or Exchange Traded (ETD)	Capital Market Segment	1,476,547,967
			Futures and Options Segment	15,184,681
			Currency Derivatives Segment	5,105,847
			Debt Segment	NIL
			Commodity Derivatives Segment	166
			* The average daily volume is computed based on quantity traded and contracts traded on a daily basis for Capital Market Segment and Derivatives Segment respectively.	
23.1.2	Disclosure of rules, key procedures, and market data; Average Daily Volumes	Average Notional Value of trades cleared by Asset Class, CCY and Over-the-Counter(OTC) or Exchange Traded (ETD)	INR Million	
			Capital Market Segment	320,723.82
			Futures and Options Segment	9,841,241.19
			Currency Derivatives Segment	380,503.48
			Debt Segment	NA
			Commodity Derivatives Segment	369.06
23.2.1	Disclosure of rules, key procedures, and market data; Non-Yet-Settled	Gross notional outstanding/total settlement value of novated but not-yet settled securities transactions by Asset Class, Instrument, CCY and Over-the-Counter(OTC) or Exchange Traded (ETD)	INR Million	
			Capital Market Segment	16,948.00
			Futures and Options Segment	2,083.92
			Currency Derivatives Segment	172.06
			Debt Segment	NA
			Commodity Derivatives Segment	0.82

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures									
23.2.2	Disclosure of rules, key procedures, and market data; Average Daily Volumes	Defines the Asset Class for volumes reported in Disclosure References 23.1.1, 23.1.2 and 23.2.1	<ul style="list-style-type: none"> <li>• Capital Market Segment –Equities</li> <li>• Futures &amp; Options Segment- Equity Derivatives</li> <li>• Currency Derivatives Segment- Currency derivatives &amp; Interest rate futures</li> <li>• Debt Segment- Debt instruments &amp; Tri –Party repos</li> <li>• Commodity Segment- Commodity Derivatives</li> </ul>									
23.2.3	Disclosure of rules, key procedures, and market data; Average Daily Volumes	Defines the Product Type for volumes reported in Disclosure References 23.1.1, 23.1.2 and 23.2.1	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td data-bbox="983 808 1166 965">Capital Market Segment</td> <td data-bbox="1166 808 1477 965">Listed Securities, Exchange traded funds, Bonds and Warrants</td> </tr> <tr> <td data-bbox="983 965 1166 1200">Futures and Options Segment</td> <td data-bbox="1166 965 1477 1200">Index Futures, Index Options, Stock futures, Stock Options and Volatility Index Futures</td> </tr> <tr> <td data-bbox="983 1200 1166 1787">Currency Derivatives Segment</td> <td data-bbox="1166 1200 1477 1787">Currency Futures (USD-INR, EUR-INR, GBP-INR and JPY-INR), Currency Options (USD-INR, EUR-INR, GBP-INR and JPY-INR), Cross Currency Futures (EUR-USD, GBP-USD and USD-JPY), Cross Currency Options (EUR-USD, GBP-USD and USD-JPY), 91DTB and Cash Settled Interest rate futures</td> </tr> <tr> <td data-bbox="983 1787 1166 1980">Debt Segment</td> <td data-bbox="1166 1787 1477 1980">Corporate Bonds, Government Securities &amp; Tri-party repos on Corporate Debt Securities</td> </tr> </table>		Capital Market Segment	Listed Securities, Exchange traded funds, Bonds and Warrants	Futures and Options Segment	Index Futures, Index Options, Stock futures, Stock Options and Volatility Index Futures	Currency Derivatives Segment	Currency Futures (USD-INR, EUR-INR, GBP-INR and JPY-INR), Currency Options (USD-INR, EUR-INR, GBP-INR and JPY-INR), Cross Currency Futures (EUR-USD, GBP-USD and USD-JPY), Cross Currency Options (EUR-USD, GBP-USD and USD-JPY), 91DTB and Cash Settled Interest rate futures	Debt Segment	Corporate Bonds, Government Securities & Tri-party repos on Corporate Debt Securities
Capital Market Segment	Listed Securities, Exchange traded funds, Bonds and Warrants											
Futures and Options Segment	Index Futures, Index Options, Stock futures, Stock Options and Volatility Index Futures											
Currency Derivatives Segment	Currency Futures (USD-INR, EUR-INR, GBP-INR and JPY-INR), Currency Options (USD-INR, EUR-INR, GBP-INR and JPY-INR), Cross Currency Futures (EUR-USD, GBP-USD and USD-JPY), Cross Currency Options (EUR-USD, GBP-USD and USD-JPY), 91DTB and Cash Settled Interest rate futures											
Debt Segment	Corporate Bonds, Government Securities & Tri-party repos on Corporate Debt Securities											

Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures													
			Commodity Derivatives Segment	Commodity Futures on Gold and Silver												
23.2.4	Disclosure of rules, key procedures, and market data; Average Daily Volumes	Defines the Product Code for volumes reported in Disclosure References 23.1.1, 23.1.2 and 23.2.1	Not Applicable													
23.3.1	Disclosure of rules, key procedures, and market data; Execution Facility	Average daily volumes submitted by Execution facility or matching/confirmation venue	<table border="1"> <tr> <td>Capital Market Segment</td> <td>1,476,547,967</td> </tr> <tr> <td>Futures and Options Segment</td> <td>15,184,681</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>5,105,847</td> </tr> <tr> <td>Debt Segment</td> <td>NIL</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>166</td> </tr> </table> <p>* The average daily volume is computed based on quantity traded and contracts traded on a daily basis for Capital Market Segment and Derivatives Segment respectively.</p>		Capital Market Segment	1,476,547,967	Futures and Options Segment	15,184,681	Currency Derivatives Segment	5,105,847	Debt Segment	NIL	Commodity Derivatives Segment	166		
Capital Market Segment	1,476,547,967															
Futures and Options Segment	15,184,681															
Currency Derivatives Segment	5,105,847															
Debt Segment	NIL															
Commodity Derivatives Segment	166															
23.3.2	Disclosure of rules, key procedures, and market data; Execution Facility	Notional contract values submitted by Execution facility or matching/confirmation venue	<table border="1"> <tr> <td colspan="2">INR Million</td> </tr> <tr> <td>Capital Market Segment</td> <td>320,723.82</td> </tr> <tr> <td>Futures and Options Segment</td> <td>9,841,241.19</td> </tr> <tr> <td>Currency Derivatives Segment</td> <td>380,503.48</td> </tr> <tr> <td>Debt Segment</td> <td>NIL</td> </tr> <tr> <td>Commodity Derivatives Segment</td> <td>369.06</td> </tr> </table>		INR Million		Capital Market Segment	320,723.82	Futures and Options Segment	9,841,241.19	Currency Derivatives Segment	380,503.48	Debt Segment	NIL	Commodity Derivatives Segment	369.06
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Disclosure Reference	Disclosure Title	Disclosure Description and Reporting Frequency	Quantitative Disclosures
			* Notional value is computed at underlying prices for Futures and Options segment and for Currency Derivatives segment at reference rates provided by Reserve Bank of India.