

**Interactive Connectivity Parameters for Test Market Environment**

| Segment     | Gateway Router |       | Gateway IPs Subnet ranges |               |             |
|-------------|----------------|-------|---------------------------|---------------|-------------|
|             | IP Address     | Port  | Network                   | Mask          | Port        |
| <b>CM</b>   | 172.19.245.107 | 10263 | 172.19.245.0              | 255.255.255.0 | 10266/10272 |
| <b>FO</b>   | 172.19.245.107 | 10262 | 172.19.245.0              | 255.255.255.0 | 10250       |
| <b>CD</b>   | 172.19.245.107 | 10261 | 172.19.245.0              | 255.255.255.0 | 10258       |
| <b>COM</b>  | 172.19.245.107 | 10264 | 172.19.245.0              | 255.255.255.0 | 10271       |
| <b>SLBM</b> | 172.19.245.107 | 10268 | 172.19.245.0              | 255.255.255.0 | 10258       |

**Parameters for Connectivity for Trade Drop Copy facility in Test Market Environment**

| Segment                    | IP Address     | Port  |
|----------------------------|----------------|-------|
| Capital Market (CM)        | 172.19.245.176 | 10273 |
| Futures & Options (FO)     | 172.19.245.147 | 10254 |
| Currency Derivatives (CD)  | 172.19.245.176 | 10259 |
| Commodity Derivatives (CO) | 172.19.245.97  | 10270 |

**Broadcast Parameters for Test Market Environment**

**A} Combined broadcast – 1 second frequency depth Market Data**

| Segment     | Multicast IP Address | Broadcast Port |
|-------------|----------------------|----------------|
| <b>CM</b>   | 239.100.39.41        | 10241          |
|             | 239.100.39.97        | 10297          |
|             | 239.100.39.40        | 10240          |
|             | 239.100.39.96        | 10296          |
| <b>FO</b>   | 239.100.39.12        | 10212          |
|             | 239.100.39.28        | 10228          |
|             | 239.100.39.11        | 10211          |
|             | 239.100.39.27        | 10227          |
| <b>CD</b>   | 239.100.39.25        | 10225          |
|             | 239.100.39.26        | 10226          |
| <b>CO</b>   | 239.100.39.10        | 10200          |
| <b>SLBM</b> | 239.100.39.36        | 10236          |

## B} Stream wise broadcast – MTBT

| MTBT Parameters - Test Market |           |                      |                |                         |                |
|-------------------------------|-----------|----------------------|----------------|-------------------------|----------------|
| Segment                       | Stream ID | Source 1             |                | Source 2 (Delayed Feed) |                |
|                               |           | Multicast IP Address | Multicast Port | Multicast IP Address    | Multicast Port |
| CM - Test Market              | 1         | 239.100.39.89        | 10289          | 239.100.39.90           | 10290          |
| CM - Test Market              | 2         | 239.100.39.98        | 10298          | 239.100.39.99           | 10299          |
| CM - Test Market              | 3         | 239.100.39.82        | 10282          | 239.100.39.83           | 10283          |
| CM - Test Market              | 4         | 239.100.39.84        | 10284          | 239.100.39.85           | 10285          |
| CM - Test Market              | 5         | 239.100.39.55        | 10255          | 239.100.39.56           | 10256          |
| FO - Test Market              | 1         | 239.100.39.58        | 10258          | 239.100.39.60           | 10260          |
| FO - Test Market              | 2         | 239.100.39.59        | 10259          | 239.100.39.61           | 10261          |
| CD - Test Market              | 1         | 239.100.39.20        | 10220          | 239.100.39.13           | 10213          |
| CD - Test Market              | 2         | 239.100.39.32        | 10232          | 239.100.39.33           | 10233          |
| COM - Test Market             | 1         | 239.100.39.80        | 10280          | 239.100.39.16<br>1      | 10261          |

## C} Limit Price Protection Range (LPP) Broadcast:

Limit Price Protection Range is applicable only in FO & COM segments.

| Limit Price protection Range (LPP) Parameters |         |                |                |               |                |
|---|---------|----------------|----------------|---------------|----------------|
| Security / Contracts                          | Segment | Source 1       |                | Source 2      |                |
|   |         | Multicast IP   | Broadcast Port | Multicast IP  | Broadcast Port |
| Limit Price Protection Range (LPP)            | FO      | 239.100.39.22  | 10222          | 239.100.39.23 | 10223          |
|   | COM     | 239.100.39.243 | 10201          | -             | -              |

## D} Recovery of tick-by-tick data

| Multicast TBT Recovery details – Test Market |               |       |
|--|---------------|-------|
| Segment                                      | IP Address    | Port  |
| CM   | 172.19.245.35 | 10285 |
| FO   | 172.19.245.35 | 10248 |
| CD   | 172.19.245.35 | 10241 |
| COM  | 172.19.245.35 | 10284 |

**E} Order Snapshot Recovery for Multicast Tick by Tick broadcast**

| <b>Parameters for connecting for Order Snapshot Recovery</b> |                  |                           |
|--|------------------|---------------------------|
| IP of Solace   | 172.19.245.51    |                           |
| Port of Solace   | 10286            |                           |
| User Name  | browser_nse_dev  |                           |
| Password   | Rs               |                           |
| Message VPN Name   | od_nse_dev       |                           |
|  |                  |                           |
| <b>Segment</b>   | <b>Stream ID</b> | <b>SOLACE QUEUE NAMES</b> |
| CM   | 1                | q.nse.cm1.orderbook       |
|  | 2                | q.nse.cm2.orderbook       |
|  | 3                | q.nse.cm3.orderbook       |
|  | 4                | q.nse.cm4.orderbook       |
|  | 5                | q.nse.cm5.orderbook       |
| FO   | 1                | q.nse.fo1.orderbook       |
|  | 2                | q.nse.fo2.orderbook       |
| CD   | 1                | q.nse.cd1.orderbook       |