

### **Interactive Connectivity Parameters for Test Market Environment**

| Segment | Gateway Router |         | Gateway IPs Subnet ranges |               |                  |
|---------|----------------|---------|---------------------------|---------------|------------------|
|         | IP Address     | Port    | Network                   | Mask          | Port             |
| CM      | 172.19.245.107 | 10270   | 172.19.245.0              | 255.255.255.0 | 10266/10272      |
| FO      | 172.19.245.107 | 10267   | 172.19.245.0              | 255.255.255.0 | 10250            |
| COM     | 172.19.245.107 | 10266   | 172.19.245.0              | 255.255.255.0 | 10271            |
| SLBM    | 172.19.245.107 | 10281   | 172.19.245.0              | 255.255.255.0 | 10258            |
| CD      | 172.19.245.107 | 10269   | 172.19.245.0              | 255.255.255.0 | 10258 &<br>10259 |
|         |                | 10200*  |                           |               |                  |
|         |                | 10201** |                           |               |                  |

\*Port (10200) - This port will support new encryption messages with MD5 checksum removal.

\*\*Port (10201) - This port will support new encryption messages with MD5 checksum removal and new immediate Ack request for order related messages.

| Segment        | Extranet Path for “Encryption CA Certificate” in Test environment    |
|----------------|----------------------------------------------------------------------|
| <b>CM</b>      | /common/Test_Environment/CM_NEW_CA_Certificate_2025.zip              |
| <b>F&amp;O</b> | /faoftp/faocommon/Test_Environment/FO_NEW_CA_Certificate_2025.zip    |
| <b>CD</b>      | /cdsftp/cdscommon/Test_Environment/CD_NEW_CA_Certificate_2025.zip    |
| <b>COM</b>     | /comtftp/comtcommon/Test_Environment/COM_NEW_CA_Certificate_2025.zip |
| <b>SLBM</b>    | /slbftp/slbcommon/Test_Environment/SLBM_NEW_CA_Certificate_2025.zip  |

Note: Kindly use combination of new CA certificate, new IP and Port parameters.

### **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 |

### **Parameters for Connectivity for New Order & Trade Drop Copy facility in Test Market**

| Segment             | IP Address     | Port          | Remark                       |
|---------------------|----------------|---------------|------------------------------|
| Capital Market (CM) | 172.19.245.115 | 10173 & 10174 | Both Order & Trade Drop Copy |
|                     |                | 10175 & 10176 | Trade Only Drop Copy         |

### **Broadcast Parameters for Test Market Environment**

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

| Segment                                                                                                                                                  | Multicast IP Address | Broadcast Port |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------|
| CM                                                                                                                                                       | 239.100.39.41        | 10241          |
|                                                                                                                                                          | 239.100.39.97        | 10297          |
|                                                                                                                                                          | 239.100.39.40        | 10240          |
|                                                                                                                                                          | 239.100.39.96        | 10296          |
| FO {Existing parameters (with transcodes 7201, 7202, 7130 & 1833)}                                                                                       | 239.100.39.12        | 10212          |
|                                                                                                                                                          | 239.100.39.28        | 10228          |
|                                                                                                                                                          | 239.100.39.11        | 10211          |
|                                                                                                                                                          | 239.100.39.27        | 10227          |
| FO {New parameter for receiving market data through existing transcodes (except 7201, 7202, 7130 & 1833) & New transcodes (17201, 17202, 17130 & 11833)} | 239.100.39.241       | 20241          |
|                                                                                                                                                          | 239.100.39.242       | 20242          |
| CD                                                                                                                                                       | 239.100.39.25        | 10225          |
|                                                                                                                                                          | 239.100.39.26        | 10226          |
| CO                                                                                                                                                       | 239.100.39.10        | 10200          |
| SLBM                                                                                                                                                     | 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          | 239.100.39.161          | 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

| Parameters for connecting for Order Snapshot Recovery |                 |                     |
|-------------------------------------------------------|-----------------|---------------------|
| IP of Solace                                          | 172.19.245.51   |                     |
| Port of Solace                                        | 10286           |                     |
| User Name                                             | browser_nse_dev |                     |
| Password                                              | Rs              |                     |
| Message VPN Name                                      | od_nse_dev      |                     |
| Segment                                               | Stream ID       | SOLACE QUEUE NAMES  |
| 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 |

**F} Order Snapshot Recovery for New Multicast Tick by Tick broadcast (through TCP / IP)**

| Segment | IP Address     | Port  |
|---------|----------------|-------|
| CM      | 172.19.245.199 | 10981 |