



Circular No.: MCX/TECH/235/2008

July 8, 2008

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### **Upgradation / Aggregation of leased circuits**

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In terms of the provisions of Rules, Bye-Laws and Business Rules of the Exchange, and in continuation of exchange circular no. MCX/107/2004 dated 1<sup>st</sup> October 2004, MCX/TECH/470/2007 dated 29<sup>th</sup> December 2007 and MCX/TECH/107/2008 dated 15<sup>th</sup> March 2008. Members are notified as under:

As part of our continuous endeavor to provide high availability and performance improvement of trading System, Exchange has upgraded its technology infrastructure for providing advanced Networking solutions. Exchange offers following options of Leased circuit upgradation/ aggregation, to meet requirements of bandwidth upgradation for improvement in response time, and Business continuity.

1. Upgradation of existing single 64 Kbps leased circuit (point to point or BSNL MPLS) to 256 kbps (point to point or BSNL MPLS Silver Scheme) leased circuits.

Members who have only point to point leased circuit should have one MPLS (BSNL) leased circuit or VSAT as secondary mode of connectivity to ensure business continuity.

2. Aggregation of 64 kbps point to point leased circuits.

Members who have multiple 64 kbps point to point leased circuits from MTNL (Mumbai, Navi Mumbai) can aggregate them to a single 256 kbps circuit. Member opting for this aggregation must have one 256 kbps MPLS (BSNL) leased circuit (silver scheme), as secondary mode of connectivity.

3. Aggregation of 64 kbps MPLS (BSNL) leased circuits to 256 Kbps Silver Scheme.

Members who have multiple MPLS circuits can aggregate them to a single 256 Kbps MPLS (BSNL) leased circuit. Member opting for this aggregation must have one 256 kbps point to point leased circuit (from any service provider) as primary mode of connectivity which will ensure better response time. Aggregated MPLS circuit can be used as a back up in order to ensure Business continuity.

Members desirous of cancellation of unused 64Kbps leased circuits after aggregation may apply for the same separately.

Members are requested to note that the above upgradation / aggregation is not mandatory. It is recommended to those members desirous of availing the benefit of enhanced bandwidth by upgradation/ aggregation. Members applying for the

first Leased circuit as primary mode of connectivity are advised to opt for MPLS (BSNL) in order to ensure Business continuity. Members are allowed to have up to 60 users per 256 kbps leased circuit in which 7 user-ids will be free.

### **Application procedure**

Members desirous of upgradation/ aggregation of the leased circuit are requested to submit duly signed application form as per Annexure I to MCX membership department.

Application for upgradation/ Aggregation/ New Circuit for MPLS (BSNL) and MTNL point to point Leased circuits will be processed by the exchange as per the existing procedure. Members desirous of having point to point leased circuits from service providers other than MTNL are required to apply for the same directly to the respective service provider after obtaining an NOC for the same from the exchange.

### **Hardware requirement**

Hardware requirements for 256 Kbps Leased Circuits are attached as per Annexure – II. For router configuration support, members are requested to contact MCX Systems & Networking department on phone number 022-66494000 extension 4068 and 4174.

### **Charges for 256 kbps leased circuits.**

- The charges for 256 Kbps MPLS (BSNL) Silver scheme connectivity are mentioned below.

<b>Bandwidth</b>	<b>Annual Charges Rs.</b>	<b>One Time Installation Charges</b>	<b>*Service tax + Educational Cess</b>	<b>Total</b>
256 Kbps (BSNL Circle)	1,24,343	1000	12.36%	<b>1,40,835</b>
256 Kbps (MTNL Circle)	1,24,343	4000	12.36%	<b>1,44,206</b>

\* Current charges

#### **Note:-**

- Local Lead (LL) and Media Charges (MC) are extra as per actuals, for locations where BSNL MPLS Point of presence (POP) is not present. Applicable LL and MC will be included in the Annual charges.
- Locations where MLLN is available, BSNL will provide modems. Locations where MLLN is not available, member has to provide modems.
- If modems are provided by the Member, BSNL will adjust the credit of Rs.3500/- in the subsequent bill.
- The amount of tax will vary depending upon applicable taxation rules.

- The charges for 256 kbps point to point leased circuit will be as per the tariff of the respective service provider.
- Members applying for point to point leased circuits to service providers other than MTNL should make the payment directly.

P.P. Kaladharan  
Chief Technology Officer

Encl: As above

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Kindly contact Customer Support Team on 022 - 6649 4040 or send an email at [customersupport@mcxindia.com](mailto:customersupport@mcxindia.com) for further clarification.

----- Corporate office -----  
Multi Commodity Exchange of India Limited  
102 A, Landmark, Suren Road, Chakala, Andheri (East), Mumbai – 400 093  
Tel.: 022 – 6649 4000 Fax: 022 – 6649 4151  
[www.mcxindia.com](http://www.mcxindia.com) email: [customersupport@mcxindia.com](mailto:customersupport@mcxindia.com)

**On company's letterhead**

Date:

To

The Membership Department  
Multi Commodity Exchange of India Ltd.  
102-A, Landmark, Suren Road,  
Chakala, Andheri (East),  
Mumbai – 400 093

Dear Sir,

**Sub: Application for Upgradation/ Aggregation of leased circuits**

This has reference to your circular no. .... dated..... for the purpose of upgradation/ aggregation of leased line. We would like to apply for the below mention option.

? Upgradation from 64 Kbps to 256Kbps Lease circuits.

- Circuit Number of existing MTNL leased circuit  
\_\_\_\_\_
- Advice Note Number of existing BSNL MPLS leased circuit  
\_\_\_\_\_

? Aggregation of 64 kbps point to point leased circuits to 256 Kbps.

- Circuit Number of 64 Kbps existing MTNL leased circuits  
\_\_\_\_\_

? Aggregation of 64Kbps MPLS Lease circuit to 256 Kbps leased circuits

- Advice Note Number of existing BSNL MPLS leased circuits  
\_\_\_\_\_

? New 256 Kbps Leased Circuit

- For BSNL MPLS Leased Circuit please find the Demand Draft Number.  
\_\_\_\_\_
- For Point to point leased circuit please find the service provider's name.  
\_\_\_\_\_

For Installation of leased circuits please find the address as mentioned below.

Name of Trading Member:

Installation Address:

City & Pin code:

District:

State:

Contact Person at site:

Site phone No with STD code:

Fax No. :

We agree to the terms and condition for upgradation/ aggregation of leased circuit.

Thanking you.

Yours faithfully

For .....

(Name and signature of the authorized signatory)

Company Stamp

**On company's letterhead**

**Undertaking**

I/we \_\_\_\_\_ do hereby undertake the following:

1. I/We agree that the circuit will be used purely for the purpose of trading on MCX only.
2. I/We agree that this circuit will not be interconnected to any of the Leased Line/ Data Circuit/ Network/ PSTN/EPABX etc of any other service providers which is not permitted by the terms and conditions of Telegraph Authority. I/We further agree to extend facility to the Telegraph authority in order to enable monitoring of the purpose, performance and operation of the circuit, as and when required.
3. I/we hereby agree to abide by the provisions of Indian Telegraph Rules in force and as modified from time to time and such other terms and conditions prescribed by the telegraph Authority.
4. I/We agree that necessary charges for registration/installation/Advance annual rental/Arrears, if any will be paid to the controlling/billing authority of service provider & MCX, as and when we receive demand note/advice from service provider/MCX and when such charges become due.
5. I/We agree that I/We shall pay the cancellation charges and other expenses incurred to establish the circuit as requested by me/us that may become payable, in the event of cancellation of the application/closure of the circuit at a later date.
6. I/We do hereby agree to indemnify the Govt. of India/ DOT/ service provider and keep them indemnified against any loss damage claim, cost, charges, expenditure incurred by or made against them in respect of loss of rent/ call charges, violation of C.U.G. norms due to misuse of the circuit or otherwise whatsoever in the matter.
7. In case service provider provides us modems, it will be our responsibility to maintain the same safely. In case of any physical damage or theft we will bear the charges specified by service provider.

Stamp & Signature of the Authorized Signatory

Date:

Place:

### **Router Hardware Details**

- One CISCO 1800 series modular router per leased circuit along with 2 WAN slot, 32 MB flash memory & 64 bits DRAM.
- Interfaces: 2-port serial WAN interface card.
- Cables: Two numbers of V.35 cable, DTE Male to smart serial – 10 feet
- IOS version: CISCO 1841 IP base IOS, Version 12.3 or above.

### **LAN infrastructure**

- Switch/Hub: 8/12 port switch from leading manufacturers like Cisco, Nortel or 3Com
- LAN cabling: CAT 5 (structured cabling)

### **Modems (optional)**

- For BSNL MPLS/ MTNL Point to Point connectivity, MLDN or MLLN type of (only select telephone exchanges have this facility) modems will be provided by MTNL/BSNL which will billed in the demand note/ Circuit bills by MTNL/BSNL. Other wise member has to procure the following leased circuit modems.  
Make: RAD  
Model number: ASMI 52 V.35 and G.703
- For Point to point leased circuits other than MTNL, members are requested to arrange for modems based on recommendation of respective service providers.