

Nationwide MPLS Connectivity

In terms of provisions of the Rules, Bye-Laws and Regulations of Exchange and in continuation to Exchange circulars with respect to Network connectivity, Members of the Exchange are notified as under:

The Exchange has already set up Nationwide Private Network (NPN) with Point of Presence (POP) in Delhi, Kolkata, Chennai, Ahmedabad, Kochi, Rajkot, Jaipur and Hyderabad. In order to facilitate connectivity from locations other than these POP locations, the Exchange allows nationwide MPLS based leased line connectivity. However, MPLS will be allowed in POP locations as backup mode of connectivity.

MPLS based leased line connectivity will be provided through two service providers - Bharti Airtel Limited (Airtel) and TATA Communications Limited (TCL).

In this setup, Members are required to take local leased line of 2 Mbps from Member's office to the nearest MPLS Point-Of-Presence (MPOP) of the Service Provider. From nearest MPOP of service provider, it connects to both, Primary Data Center (PDC) as well as Disaster Recovery Site (DRS) using MPLS backbone network of the service provider.

Members may please note that under MPLS connectivity, orders per second and number of User IDs would be same as mentioned in Option A of Nationwide Private Network (NPN) with Point of Presence i.e. 40 orders per second and 30 TWS IDs across all the segments (refer circular no. Circular No: MCX-SX/IT/904/2012 dated December, 4 2012).

Members may opt for more than one MPLS leased lines from different service provider for high availability.

1. APPLICATION PROCEDURE

Members desirous of applying MPLS leased circuit will have to e-mail their details mpls@mcx-sx.com as per **Annexure-I**.

On receipt of the said e-mail, Exchange shall find out feasibility of location from the service provider as per the choice indicated by the member. In case, the connectivity is not feasible with service provider of the member's first choice then the same will be checked from the other service provider(s) in the order of choice, if indicated by the member. Thereafter feasibility and applicable charges details will be intimated to the member.

After receipt of the feasibility details from the Exchange, members are required to submit duly filled and signed application as per **Annexure-II** and undertaking as per **Annexure-**

III to the Membership department of the Exchange along with the payment as applicable, by way of Demand Draft payable at Mumbai. Thereafter, Exchange will process the application for MPLS leased circuit through the respective service provider. Members may please note that MPLS leased circuit may be commissioned within 5 to 6 weeks after receipt of all documents along with required payment.

2. CHARGES AND PAYMENT PROCEDURE WITH APPLICATION

Member shall be required to pay a one-time Installation charge (Non-refundable) and annual recurring charge for the first year, as informed with feasibility report by way of Demand Draft in favor of "MCX Stock Exchange Ltd." payable at Mumbai. Standard port and other charges are given below.

A. Charges for MPLS leased circuit from different service providers

1. One Time Installation Charges (Non - Refundable)

Airtel	TCL
Rs.10,000/-	Rs.20,000/-

2. Annual recurring charges

Bandwidth	Airtel	TCL
2 Mbps	Rs.1,50,000/-	Rs.1,40,000/-

Notes:-

- All above mentioned charges are exclusive of any government taxes, duties and levies and the same are to be paid extra by members.

B. Local Lead and media charges

Service Provider	Local Lead Charges	Media Charges	Modem
AIRTEL	Included in Charges	Included in Charges	Included in Charges
TCL	Included in Charges	Included in Charges	Included in Charges

Annual Recurring charges from second year onwards will be recovered from the member annually in advance after receiving the bills from the respective service provider by way of direct debit from member's settlement account. Annual recurring charges payable by a Trading member will be recovered from their respective clearing member. Along with application for MPLS leased circuit Trading members are required to submit the Authorization letter as per **Annexure-IV** from PCM/ITCM/TCM in favor of the Exchange to debit Annual recurring charges from their settlement Account.

3. ROUTER REQUIREMENT

Members have to procure a dedicated Router on their own, for accessing the trading system. The recommended specifications of the Cisco Router are given below:

Router model & Component	Specifications
Model	CISCO1921
Cards	HWIC-2T card
IOS	Cisco 1900 IOS UNIVERSAL
Cable	V.35 Cable, DTE Male to Smart Serial, 10 Feet
License	Security License for Cisco 1900

4. TECHNICAL SUPPORT

For technical support Members are requested to contact on telephone numbers / email address of respective service provide as mentioned below

AIRTEL

Centralized Fault Management : 1800102001 Email address : enterprise.data@airtel.in

TCL

Centralized Mumbai Helpdesk number : +91-22-66504357 Email address : corp.helpdesk@tatacommunications.com
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5. SHIFTING OF MPLS CIRCUIT

Members desirous of shifting MPLS leased circuit will have to e-mail the new location details to mpls@mcx-sx.com as per **Annexure-V**. If the shifting of MPLS leased circuit is feasible at new location, the same will be intimated to the member. Thereafter member should submit duly signed application as per the **Annexure-VI** along with demand draft in favor of "MCX Stock Exchange Ltd." payable at Mumbai as per the applicable shifting charges given in the table below, to MCX-SX membership department.

Service Provider	Location	Shifting Charges
AIRTEL	Allowed only within city and subject to feasibility of the new location.	Rs.10,000/-
TCL	Allowed only within the city and subject to feasibility of the new location.	Rs.10,000/-

Note: - Shifting Charges mentioned above are exclusive of any government taxes, duties and levies and the same are to be paid extra by members.

6. SURRENDER OF MPLS CIRCUIT

Members desirous of surrendering their MPLS leased circuit are required to submit duly signed application as per the **Annexure-VII** to MCX-SX membership department. Members will not be entitled to refund of any charges if the MPLS leased circuit is surrendered within a year from the day of installation. From second year onwards, members will be entitled to refund of annual recurring charges on pro-data basis for the un-expired portion of the year. The un-expired portion shall constitute the period after completion of one month from the date of submission of surrender application to the service provider. The applicable refund amount will be credited to member's settlement account as and when the same is received by the Exchange from the service provider.

For clarifications, Members may contact Customer Service on 022 – 67319010/66494030 or send an email at customerservice@mcx-sx.com

For and on behalf of
MCX Stock Exchange Limited

Pravin Khismatrao
Manager-Technology

Dear Sir,

Sub: Request for MPLS leased circuit feasibility check

This has reference to your circular no. MCX-SX/IT/906/2012 dated December 5, 2012 for the purpose of Nationwide MPLS connectivity. We would like to apply for 2 Mbps Single/Dual MPLS leased circuit, and hence requesting for location feasibility check for the same from the service provider of choice in the order as mentioned below.

Priority *	First	Second
MPLS Service provider for primary link		
MPLS Service provider for secondary link		

* Please mention service provider name i.e. Bharti Airtel or TCL in the order of choice i.e., first choice, second choice.

For Installation of MPLS leased circuit, please find the details as mentioned below:-

Name of Trading Member:	
Installation Address:	
City	
State	
Pin Code	
Contact person name	
Contact Number (Landline)	
Contact Number (Cell Phone)	
Fax number	
e-mail ID	
Interface required	V.35 / G.703 / Ethernet

After completion of the feasibility check you are requested to intimate the same on our email-id.

Thanking you.
Yours faithfully

For Name of the Member
Member ID:

On company's letterhead

Date:

To

The Membership Department
MCX Stock Exchange Limited
Exchange Square, CTS No. 255, Suren Road,
Chakala, Andheri (East),
Mumbai - 400093

Dear Sir,

Sub: Application for New MPLS leased circuits

This has reference to your circular no MCX-SX/IT/906/2012 dated December 5, 2012 for the purpose of Nationwide MPLS connectivity. We would like to apply 2 Mbps MPLS circuit from service provider.

For Installation of MPLS circuit please find the details as mentioned below:-

Name of Trading Member	
Member ID	
Permanent Address	
Installation Address	
City	
State	
Pin Code	
Contact Number (Landline)	
Contact Number (Cell Phone)	
Fax number	
Contact person name	
e-mail ID	
Feasibility of the location checked with the Exchange with interface required	YES / NO V.35 / G.703 / Ethernet

We agree to the terms and condition for installation of MPLS circuit.

For any further communication in this regard, please contact to the contact person.

Thanking you.
Yours faithfully

For

(Name and signature of the authorized signatory)
Company Stamp

(On Non-judiciary stamp paper of Rs. 300/-)

UNDERTAKING-CUM-INDEMNITY

This undertaking-cum-Indemnity is executed on this _____ day of _____, 20____, at _____ (place),

I / We _____, (having Membership ID No.....) an Indian inhabitant / sole proprietorship firm / partnership firm registered under Indian Partnership Act, 1932 / a limited liability partnership registered under Limited Liability Partnership Act, 2008 / a banking company incorporated under its own Act / a company incorporated under the Indian Companies Act, 1956, and having its office / registered office at _____ (hereinafter referred to as the 'Undersigned' which expression shall unless repugnant to the context successors, executors, administrators and permitted assigns) give this UNDERTAKING-CUM-INDEMNITY.

IN FAVOUR of

MCX Stock Exchange Limited, a Stock Exchange duly recognized by the Securities and Exchange Board of India under the provisions of the Securities Contracts (Regulation) Act, 1956 and having its registered office at "Exchange Square" , CTS no 255, Suren Road, Andheri (E), Mumbai – 400093 (hereinafter referred to as the 'MCX-SX'/'Exchange')

WHEREAS,

1. The Undersigned is a member of the Exchange and has made an application dated to the Exchange for connecting to the Exchange through MPLS leased line(s).
2. The Undersigned furnish this UNDERTAKING –CUM- INDEMNITY in the manner and on the terms herein below:

NOW THEREFORE the Undersigned hereby undertakes to agree that:-

I/We agree that the MPLS Leased line connectivity will be used solely for the purpose of trading on MCX-SX platform only.

I/We agree that connectivity to the Exchange will not be interconnected to any of the Leased Line/ Data Circuit/ Network/ PSTN/EPABX etc. of any other service providers which are not permitted by the terms and conditions of Government of India /Dept. of Telecommunications (DOT) Authority. I/We further agree to extend facility authorizing the Government of India / DOT enabling it to monitor and inspect my/our leased line(s) in relation to its performance and operation, as and when required.

I/we hereby agree to abide by the provisions of the Indian Telegraph Act / Rules / DOT Rules and other applicable laws in force and as may be modified / amended from time to time and such other terms and conditions prescribed by the concerned / appropriate Authorities.

I/We agree that necessary charges for registration/installation/Advance annual rental/Arrears, if any, will be paid to the billing authority of service provider, as and when we receive demand note/advice from the service provider and when such charges become due.

I/We agree that I/We shall pay the surrender charges and other expense as prescribed under relevant circulars issued by MCX-SX in this respect, from time to time, in the event of surrender of my /our MPLS leased line(s).

I/We undertake to indemnify the MCX-SX / Govt. of India/ DOT/ Service Provider and keep them indemnified against any loss, damage, claim, cost, charges, expenditure incurred by or made against them and in case of violation of norms of Closed User Group (CUG) as prescribed by Govt. of India/ DOT.

I/We undertake to ensure that access shall be given only to the individual(s) authorized persons and also a method shall be established to ensure that non authorized persons cannot access the system. I/we shall be solely responsible and liable for any such misuse of access by unauthorized person(s).

I/ we undertake to authorize MCX-SX to inspect and test IT Infrastructure related to trading system at my/our site without any prior notice.

I / We shall render all possible assistance and co-operation to MCX-SX by providing access to any kind of information in any form as it may require and I/we hereby undertake to produce such documents, records, accounts, books, data howsoever stored including data stored in magnetic tapes, floppy diskettes, etc. and any other information as may be required by MCX-SX at its discretion.

I / We agree and undertake that MCX-SX shall not be liable for any direct or indirect loss, damage, costs, claims and expenses whatsoever caused or contributed by any event of force majeure. For the purposes of this Clause, "Force Majeure" means and includes wars, insurrections, revolution, fires, floods, epidemic, quarantine restrictions, declared general strikes in relevant industries, act of God, act of the Government of India and any concerned State Government and such other acts or events beyond MCX-SX's control and further the above is without prejudice to the rights already accrued to MCX-SX due to my/our failure to perform either in full or in part, my/our obligations prior to the occurrence of events of Force Majeure.

I / We shall not hold MCX-SX responsible or liable for any loss, damage, etc., suffered due to any delay, disturbance or non-availability of connectivity or due to any reason because of Service Provider or otherwise, at any time including the reasons stated in Force Majeure clause hereinabove.

I / We shall indemnify and keep indemnified MCX-SX harmless against every and all claims, demands, damages, liabilities, losses and expenses, etc., suffered by it directly by reason of my / our non-compliance, contravention with any of the provisions of this Undertaking or any penalty imposed by Service Provider or DOT / Regulatory or statutory Authorities, due to my/ our non-compliances or violation of any provisions of the applicable Act(s) or Rules and Regulations in force.

I / We agree that no forbearance, delay or indulgence by MCX-SX in enforcing the provisions of this Undertaking shall prejudice or restrict the rights of MCX-SX nor shall any waiver of its rights operate as a waiver of any subsequent breach and no rights, powers,

remedies herein conferred upon or reserved for MCX-SX is exclusive of any other right, power or remedy available to MCX-SX and each right, power or remedy shall be cumulative.

I/ We hereby undertake and agree that this Undertaking cum Indemnity shall be valid and effective for any leased line(s) obtained by the undersigned for connecting to MCX-SX, from time to time. Further, this Undertaking-cum-Indemnity does not lapse till such time I /we, the Exchange discharges the undersigned.

That I / we shall execute, sign and subscribe to such other documents, papers, agreement, covenants, bonds, and/or undertakings as may be prescribed or required by MCX-SX from time to time.

I/We also agree that in the event of my/our non-compliance with any of the provisions as mentioned above, MCX-SX shall take such action(s) against us as it may deem fit in this regard.

IN WITNESS WHEREOF this Undertaking-cum-Indemnity is executed by the undersigned on the day, month, year and the place mentioned above.

Name, address & signature Witness 1 Witness 2	Stamp & Signature of the Authorized Signatory of Member
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Annexure-IV

Format for **Trading Member** (Authorization letter from PCM/ITCM/TCM in favor of the Exchange to debit Annual Recurring Charges)

To be printed on letter head of the respective PCM / ITCM / TCM

Date:

To
The Membership Department
MCX Stock Exchange Limited
Exchange Square, CTS No. 255, Suren Road,
Chakala, Andheri (East),
Mumbai – 400093
Fax No.: 022 – 6726 9575

Dear Sir,

Sub: MPLS leased circuit annual recurring charges debit facility for our Trading member,

_____ (Name of the Trading Member) having Member ID _____.

This has reference to Exchange circular no. MCX-SX/IT/906/2012 dated December 5, 2012.

I / we authorize Exchange to debit our settlement account no. _____ in _____ (Name of the bank) for Rs. _____ (plus Taxes as applicable) towards the annual recurring charges of MPLS leased circuit.

For _____
(Name of TCM / PCM)

Authorized Signatory

Name -

Member ID -

Rubber Stamp:

Place:

On company's letterhead

Dear Sir,

Sub: Request for shifting of MPLS leased circuit feasibility check

This has reference to the MPLS leased circuit which is installed in our premises for MCX-SX trading. We request you to shift our MPLS leased circuit to the below mentioned new address. The details of the old and the new address and the circuit's details are mentioned below.

Name of Trading Member	
Member ID	
Current Address	
New Address	
Circuit ID	
IP Address	
Contact person name	
Contact Number (Landline)	
Contact Number (Cell Phone)	
Fax number	
e-mail ID	

After completion of the feasibility check you are requested to intimate the same on our email-id -_____.

Thanking you.
Yours faithfully

For Name of the Member
Member ID:

On company's letterhead

Date:

To
The Membership Department
MCX Stock Exchange Limited
Exchange Square, CTS No. 255, Suren Road,
Chakala, Andheri (East),
Mumbai – 400093
Fax No.: 022 – 6726 9575

Dear Sir,

Sub: Application for shifting of Tata Communications Limited / Airtel MPLS leased circuit.

This has reference to the MPLS leased circuit which is installed in our premises for MCX-SX trading. We request you to shift our MPLS leased circuit to the below mentioned new address. The details of the old and the new address and the circuit's details are mentioned below.

Name of Trading Member	
Member ID	
Current Address	
City	
Pin Code	
New Address	
City	
Pin code	
Circuit ID	
IP Address	
Contact person name	
Contact Number (Landline)	
Contact Number (Cell Phone)	
Fax number	
e-mail ID	
Feasibility of the location checked with the Exchange	YES / NO

I/We also agree that it shall be my/our responsibility to follow up with Exchange / Service Provider till the completion of all shifting formalities.

For any further communication in this regard, please contact to the contact person.

Thanking you.
Yours faithfully

(Name and signature of the authorized signatory)
Company seal

Annexure-VII

On company's letterhead

Date:

To
The Membership Department
MCX Stock Exchange Limited
Exchange Square, CTS No. 255, Suren Road,
Chakala, Andheri (East),
Mumbai – 400093
Fax No.: 022 – 6726 9575

Sub: **Application for surrender of TCL / Airtel MPLS leased circuit.**

This has reference to the MPLS leased circuit which is installed in our premises for MCX-SX trading. We want to surrender this MPLS leased circuit. The details of the same are mentioned below.

Name of Trading Member	
Member ID	
Current Address	
City	
Pin Code	
Circuit ID	
IP Address	
Contact person name	
Contact Number (Landline)	
Contact Number (Cell Phone)	
Fax number	
e-mail ID	

We request you to do the needful and acknowledge.

For any further communication in this regard, please contact Mr/Ms/Mrs. _____
(Name of the contact person) on _____ (contact numbers) or e-mail at

Thanking you.
Yours faithfully

(Name and signature of the authorized signatory)
Company seal