Connectivity guidelines for Central KYC Registry

Financial Institutions (FI) can connect to production and UAT environment of C-KYC setup through following two options of Internet VPN and Leased Line

	Web access/Internet VPN	MPLS/Leased line
Definition	Direct web access to portal or, A secure, encrypted VPN tunnel through the Internet, with bandwidth limitation upto 1 Mbps per FI	A dedicated leases line connectivity upto 1 Gbps at CKYC DC facility hosted at Netmagic datacentre
Applicability	FIs comfortable with connecting through internet , with a bandwidth limit of 1 Mbps	FIs with need of dedicated connectivity with no bandwidth restriction
Supported functionalities	Online access, API connect, bulk upload on SFTP upto 1 GB daily	Online access, API connect, unlimited bulk upload through SFTP
Bandwidth capacity	Upto 1 Mbps	Max Upto 100 Mbps*
Redundancy	NA	As per FI's need
Management and cost	CERSAI	FI

* Per FI maximum capacity allowed is 100 Mbps with copper based handoff only

Banks desirous of establishing connectivity with Central KYC Registry are requested to address the request on helpdesk@ckycindia.in with following pre-requisite information

Pre-Requisite for Internet VPN

    a. VPN Gateway Device Information:-

	Remote (FI) VPN Details-Production	Remote (FI) VPN Details- UAT
Name		
IP Address		
VPN Device Description		
VPN Device Version		
Internet bandwidth (Upto Mbps)		

    b. Tunnel Properties:-

		Remote (FI) VPN Details -Production	Remote (FI) VPN Details- UAT
PHASE 1	Authentication Method		
	Encryption Scheme		
	Diffie-Hellman Group		
	Encryption Algorithm		
	Hashing Algorithm		
	Main or Aggressive Mode		
	Lifetime (for renegotiation)		
PHASE 2	Encapsulation (ESP / AH)		
	Encryption Algorithm		
	Authentication Algorithm		
	Perfect Forward Secrecy		
	Lifetime (for renegotiation)		
	Lifesize in KB (for renegotiation)	4608000	
	Key Exchange For Subnets?	yes	

c. Firewall / VPN Policy Rules:-

	Source (IP Address or Network) – Netmagic End	Destination (IP Address or Network) – Remote End	Service (TCP, UDP, or ICMP and port #)	Action (Allow / Deny)	Duration
Rule 1					
Rule 2					
Rule 3					

Pre-requisites for extending link cross connect at both ends:

1	Bank name & Branch location details	
2	Service Provider (BSO) details	
3	Speed / Bandwidth	
4	Link Circuit ID	
5	Link type / hand-off	Ethernet only (Electrical, Copper, RJ45 media)
6	Client / Bank's SPOC details	Name Email ID Mobile number Direct number

Note:

1. Banks need to co-ordinate with Netmagic Data Center SPOC (details of whom will be shared on mail) for:

- New link deliveries at Central KYC datacenter
- Cross-connect between Meet Me Room (MMR) Mux rack and Central KYC racks
- Configuring the set-up
- Troubleshooting / testing of link related issues

2. Banks need to verify and ascertain the feasibility with Netmagic Data center before placing any order with the service provider –

- Service provider presence
- Rack space for Bank's devices such as modem, router, switch etc.
- Cross-connect from MMR to Bank's device (if any)
- Cross-connect from Bank's device (if any) to CKYC racks
- Cross-connect from MMR to CKYC racks

Kindly note Bank / Institution desiring to set up leased line for the Central KYC Registry, needs to engage independently with the datacentre provider (Netmagic). Any charges for hosting and installation and leased line services will be borne by respective institution.