CENTRAL FORENSIC SCIENCE LABORATORY
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सत्यमेव जयते

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TO WHOM IT MAY CONCERN

The generalized specifications for the local servers to be procured under National Cyber Forensic Laboratory (NCFL) project are enclosed herewith for review and suggestions.

The suggestions may please be sent to the **Director** on or before **15.01.2019** positively by way of post or e-mail to the following mail-ID:

Director.cfsl-hyd@nic.in

Director 02/01/19

Broad Based Specifications of Local Servers

Technical Specifications for Localized Server	4U RackMounted Server with the following Components:
	File Server:
	- Muliticore Xeon Processor with 8 cores per processor or better - Total RAM Memory 256GB with provision of scalability to 512GB - Total File Storage Memory of 200TB by RAID6 configuration in SATA based Secondary Storage Media with provision for future storage expansion. - Support remote acquisition. - Backup support in to latest LTO Tapes with backup/ archival software. - Cabling with Data Transfer Capability of 10Gbps among File Server and Processing Server and Work Stations. - Latest Microsoft Windows Server Operating System or suitable OS for the management of the File Server. - Sufficient Modular Power Supply - Integrated Dual Modular Battery Backup for uninterrupted Power Supply. - Integrated Modular Cooling System for better heat dispensing.
	Processing Server:
	- Muliticore Xeon Processor with 10 cores per processor or better - Total RAM Memory 512GB with Provision of scalability. - SSD based Processing Storage of 512 GB with provision for scalability. - Facility to create custom Virtual Desktops with varying configurations by virtualisation. - Support to minimum 25 clients with scalability. - Support Sharing of Digital Forensic Tools over LAN. - Cabling with Data Transfer Capability of 10GBPS among File Server and Processing Server and Work Stations. - Latest Microsoft Windows Server Operating System or suitable OS for the management of the Processing Server. - Sufficient Modular Power Supply - Integrated Dual Modular Battery Backup for uninterrupted Power Supply.

| | ○ Integrated Modular Cooling System for better heat dispensing. ○ Integrated GPUs supporting processing of data by Digital Forensic Tools and decryption related activities. Integrated Modular Monitor with Keyboard and mouse provision for the management of the Server via user console management. The server should have sufficient no. Of USB 2/3 ports along with USB C-port. Fibre based LAN to support up to 10Gbps data speed between server locations to workstations. Minimum of 3000 VA rack mounted integrated dual power supply via UPS. Warranty for 03 years with lifetime free servicing. |