

Scope of Work: IT Infrastructure and Systems

The objective of this scope is to ensure a seamless transition of IT infrastructure and systems from CDRI's current office at Bhartiya Kala Kendra to the new premises at the IIPA Campus, while optimizing the reus. The selected agency will be responsible for evaluating all existing IT equipment at the current office. This includes assessing the operational condition and remaining service life of each item to determine whether. As part of the transition, the agency must also assess the IT requirements of the new office layout, particularly in relation to meeting and conference rooms and core IT infrastructure zones. This includes recomm

- The agency shall design and implement a structured network topology as per the organization's requirements
- The agency shall execute systematic cabling with patch panels, conduits, trays, and accessories.
- Provision of LAN ports at each workstation and. CDRI currently has two internet leased lines i.e. Airtel and Tata, each with a bandwidth of 100 Mbps. The respective internet service providers will be responsible
- Perform labelling and documentation for all ports and connections.
- Systematic, well planned, colour coded cabling and patch panels.
- Power strips, network patch cords, fiber/copper links, and any necessary accessories.
- Ensure integration with existing and/or new network components
- Rack-mounting, cable management, and initial power/network configuration.
- Unpacking, connection, configuration, and testing of desktop, printers, monitors, screens etc
- The selected agency shall be responsible for the safe uninstallation, transportation, and reinstallation of existing IT infrastructure components and equipment listed in **List I and List II** (as provided in this docu
- The agency shall assess the requirement for new network infrastructure components and IT equipment for the new premises, in alignment with the floated RFP and the proposed office design.
- The agency shall also coordinate the shifting of existing IT audio-visual equipment listed in **List III**, currently installed in CDRI's meeting rooms at Bhartiya Kala Kendra, to the new premises at the IIPA Campus.
- The selected agency should ensure provision of dedicated internet line connectivity for conference and meeting rooms.
- The agency shall assess the requirement for new audio-visual setups for the meeting rooms, in accordance with the floated RFP and the proposed design specifications for the number and layout of meeting ro
- The agency shall be responsible for the installation, and configuration of UPS units along with backup batteries as per the finalized design specifications. This includes deployment in both the server room and (
- The solution must ensure redundancy, load balancing, and continuous power availability to support essential operations during power outages or fluctuations. The agency shall evaluate the power load require
- The agency shall assess the requirement for CCTV surveillance in the new premises and propose an appropriate solution in line with the finalized office design and security needs. This includes the supply, inst
- The agency shall ensure that all successfully installed equipment is properly configured. Any issues arising during this process must be addressed on a priority basis.
- The agency shall provide complete documentation, including updated network diagrams, asset deployment maps, and configuration records. A detailed asset checklist reflecting both reused and newly procur
- Following installation and configuration, the agency must ensure the smooth and uninterrupted operation of the equipment with all configurations in place for a minimum period of one year. For any newly recc
- The **list of existing equipment** is provided below as **List I, II & III**. However, the requirement for new IT equipment may vary based on actual site conditions and operational needs.

List I: Equipment – Network Infrastructure

S.No.	Particulars	Quantity	Purchased Date
1	Aruba access points AP 505	10	Jul-22
2	Switch - 24 ports Aruba IOn 1960 24G 2XT 2XF 370W	1	Jul-22
3	Mount Bracket for access points	10	Jul-22
4	PoE access Point	10	Jul-22
5	12 U Rack with Accessories	1	Jul-22
6	Jack Panel 12 Port	1	Jul-22
7	Switch - 24 ports	1	Jun-21
8	12 U Rack with Accessories	1	Jun-21
9	XGS 2100 Security Appliance: Model: Sophos XGS 2100 Hardware Appliance; Ports: 8 x GE (Gigabit Ethernet) ports, 2 x SFP (Small Form-factor Pluggable) ports for fiber connectivity; Expansion: 1 x Expansion Bay for an optional Flexi Port module (allows additional connectivity options); Storage: Solid-State Drive (SSD) included; Base License for unlimited user Includes: Firewall Protection, VPN (Virtual Private Network) Support, Wireless Network Security, Unlimited User Support; Power Supply: Power cable included. (cater to 200 users); Xstream Protection for XGS 2100 - 3 years Base Firewall License, Network Protection, Web Protection, Zero-day Protection, Sophos Central Orchestration and Enhanced Support	1	Mar-25
10	CCTV Installation	4	Jul-24
11	Biometric	2	Jun-21
12	All other associated items (cables, conduiting etc)		

List II: IT Equipment

(a) Monitor Screens

S. No.	Particulars	Quantity	Purchased Date
1	Display Panel/Vivitek Novo Touch (Interactive Flat Panel 86 inch) PC Module/Vivitek OPS VKW21 (i5/4GB/128GB SSD)	1	May-20
2	Sony LED TV 55 inch	2	Sep-20
3	LG Monitor LED Colour 32"	2	Oct-21
4	Zebronics 24" TFT Monitor	39	Oct-24
5	Viewsonic 32" screen	3	Apr-24
6	DELL Monitor 24 Inches	3	Oct-23

(b) Printers

S. No.	Particulars	Quantity	Purchased Date
1	PrinterHP Laserjet Managed MFP E82540du Plus/Printer	1	Feb-20
2	PrinterPrinter HP Color Laserjet Pro M454NW	1	Jul-20
3	PrinterPrinter HP Color Laserjet Pro M454NW	1	Jul-20
4	PrinterPrinter HP Laserjet Pro M226DW (C6W23A)	1	Jul-20
5	PrinterPrinter HP Laserjet Pro M226DW (C6W23A)	1	Jul-20
6	PrinterPrinter HP Laserjet Pro MFP M233dw (6GX04A)	1	Nov-23
7	PrinterPrinter HP Laserjet Pro MFP 4104dw	1	Nov-23
8	PrinterHP OFFICE JET PRO 9720 WF AIO	1	Jul-24
9	PrinterHP OFFICE JET PRO 9720 WF AIO (84433100	1	Jul-24
10	Canon IRADVC3520	1	On Rent

(c) Computer Systems

S. No.	Particulars	Quantity	Purchased Date
1	Desktops	17	2020-2021
2	Laptops	99	2020-2024

List III: Existing Audio Visual Equipment**(a) Meeting Room with Capacity of 30-35**

S No	Item and Description	Make/Model	Qty.	Date of Purchase
1	Boundary Layer Microphone	ClockAudio CRM102F	20	Jan-25
2	Digital signal processor 8x8	Erthpot KEYER88	3	Jan-25
3	Passive Wall Mount Loudspeaker 5"	Work Pro NEO 5	6	Jan-25
4	Amplifier with Class D Switched source 4 channel	Work Pro PA 1254	1	Jan-25
5	Rack	Custom	1	Jan-25
6	PTZ camera 12x optical Zoom	A&T Jarvis U2e	1	Jan-25
7	Projector	Panasonic PT-VMZ61 WUXGA	1	Jan-25
8	NUC 16 GB RAM, 256 GB Storage, Intel i7 12th Generation	Intel	1	Jan-25
9	Conference Table Size 23' x 9' with PVC edge banding	Custom	1	Jan-25
10	Cable Manager made up of steel and aluminum with connectivity 2 x Universal Power, 2 x RJ45 network, 1 x VGA, 1 x 3.5mm Audio, 1 x HDMI, 1 x USB Charger	Logic	7	Jan-25
11	HDMI EXTENDER, HDMI Extender 2.0V, 18G, 4K@60Hz, up to 50m, HDBT over CAT6	Logic	8	Jan-25
12	HDMI CABLE HDMI 2.0V Cable 1.8m Male to Male - 4K@60Hz 18G	Logic	18	Jan-25
13	Projector Screen 120"	Custom	1	Jan-25
14	Projector Ceiling Mount	Custom	1	Jan-25

15	Cables and Connectors: 5 Core Microphone cable (300 mt x 1) , 2 core speaker cable (100 mtr roll x 1)	Custom	2	Jan-25
16	HDMI Matrix Switcher with 8 × HDMI Type A Female HDMI 2.0, 8 × HDMI Type A [19-pin female]	Aten	1	Jan-25
17	Wireless Lapel Mic	Erthpot AR32	1	Jan-25
18	Wireless Handheld Mic Dual Channel	Erthpot AR331	1	Jan-25
19	Online UPS	APC	1	Jan-25
20	Pointer Cum Slide changer	Logitech R500	2	Jan-25

(b) Meeting Room with Capacity of 10-12 participants

S. No.	Particulars	Quantity	Purchased Date
1	Team Connect Ceiling 2 Sennheiser	1	Oct-21
2	CADMUS Lite PTZ Camera 12x Optical Zoom 72 Horizontal Field of View QSC Model PTZ-12*72	1	Oct-21
3	QSC DSP Core 8 Flex	1	Oct-21
4	QSC POE Touchscreen Controller	1	Oct-21
5	Audac Two way Coaxial in Ceiling Loudspeaker model CIRA724/W	6	Oct-21
6	Quad Channel Digital Power Amplifier Model EPA104	1	Oct-21
7	Interactive Panel MAXHUB E75FA	1	Oct-21
8	Conference Table	1	Oct-21
9	Metal Floor Stand for 75-inch Display	1	Oct-21