

# WEST BENGAL MEDICAL SERVICES CORPORATION LTD.

(Wholly Owned by the Government of West Bengal)

Regd. Off. : Swasthya Bhawan, GN-29, Sector-V, Salt Lake, Kolkata– 700 091

www.wbmsc.gov.in; Ph: 033-4034-0300

NIT No: WBMSCL/NIT-325/2026

Date: 15/05/2026

## NOTICE INVITING E-TENDER

Managing Director, WBMSCL invites sealed bids through electronic tendering (e- Tendering) for “SITC of ELV System with all accessories at Swasthya Bhaban Annex Building, 3<sup>rd</sup> Floor Ayush Dept, Kolkata “from the Bonafide, resourceful and reliable experienced Contractor in West Bengal.

Brief description of work	Earnest Money Deposit (EMD) (Rs) [Refundable]	Last date and time of Tender submission	Date & Time of Opening Tender (Qualifying & Financial)
INSTALLATION TESTING AND COMMISSIONING OF ELV System at Swasthya Bhaban Annex Building 3 <sup>rd</sup> Floor Ayush Dept, Kolkata.	Rs. 102000/- (Payment to be done by online NEFT/RTGS in e-Tender portal)	05/06/2026 4.00 pm	08/06/2026 2.00 pm
<b>BID Opening Venue</b>	West Bengal Medical Services Corporation Ltd, Swasthya Bhaban, GN -29 , Sector – V, Salt Lake, Kolkata – 700091.		

### DATE & TIME SCHEDULE

Sl. No	PARTICULAR	DATE & TIME
i)	Date of uploading of N.I.T and Tender Documents (online)	15/05/2026
ii)	Documents Sell / download start date (online)	16/05/2026 at 10.00 A.M.
iii)	Bid Submission Upload Start date (online)	16/05/2026 at 11.00 A.M.
iv)	Bid Submission Upload End date (online)	05/06/2026 at 04.00 P.M.
v)	Date & Place for Opening of Technical bid (online) for the Bidders	08/06/2026 at 02.00 P.M.
vi)	Date & place for opening of financial proposal	To be notified later

This NIT is of Two Bid Tender, i) Technical & ii) Financial, both to be submitted concurrently in the portal. The bidders who will be technically qualified in respect to Technical and Financial eligibility/capability criteria specified in the below mentioned subsequent clause can only be permitted to participate in the Financial Bidding.

## Eligibility Criteria

1. Bidder/OEM should have valid ISO 9001 certificate.
2. The Bidder shall be an established Information Technology company registered under the Companies Act, 1956 involved in IT & Network related business having operations in India for the last three years as on 31.03.2023 (Certificate of Incorporation).
3. The Bidder's average annual turnover last 3 year shall be at least INR 22 Lakh supporting document to be uploaded.
4. The Bidder should have executed similar nature of single order valued Rs 21 lakh or above or 2 no's orders valued Rs. 16 Lakh or above for supply, installation and Commissioning of IT Works (Network LAN/ Epabx System / CCTV etc.) at any Govt. Department / PSU / Board / Council or similar organization, in the last five financial years.
5. The Bidder must have on payee roll at least 3 Technically qualified professionals with system integration of computer Hardware, network, and experience in implementing & maintaining / support of computer Hardware & network.
6. Bidder should provide tender specific OEM authorization in the above-mentioned bid to ensure their support for this work.
7. The bidder must have a Functional Service Centre in West Bengal state as lot of service is involved this is mandatory. Valid trade license / GST certificate should be uploaded along with the bid for proof of this.
8. Escalation Matrix for Service Support: Bidder must provide Escalation Matrix of Telephone Numbers for Service Support.
9. **The Bidder shall be required to give a declaration in their letter head that they have not been banned by any Government Agencies / Govt. Department / Quasi Govt. Dept / PSU / Board / Council or similar organization. If any Government Agencies / Govt. Department / Quasi Govt. Dept / PSU / Board / Council or similar organization banned the Bidder in the past, this fact must be clearly stated.**
10. Bidder should have their office in the state i.e., West Bengal for minimum last 5 years.
11. The bidder has to be declaration in the bid must not to defaulter any delivery/Installation to the IT equipment earlier order at Health & Family Welfare dept. Govt of West Bengal.
12. **The successful Bidder must supply all the products within 60 days from receiving of the purchase order. If the Seller fails to do so the dept. shall charge a penalty of 0.5% of the unit price of the products for each week of delay form the seller. The byer shall have the right to recover all such penalties arising out of late delivery form the PBG submitted by seller.**
13. **PBG @ 10% of the total value of work for 14 months validity must be submitted by the bidder after receiving of work order.**
14. **All Hardware should be 1 Year Onsite Comprehensive warranty support.**

## Scope Of Work

**Swasthya Bhawan is coming up with its Annexe Building,3rd Floor Ayush Dept. and required to setup of Network, VC System, CCTV and voice infrastructure.**

### Technical Specification

Minimum Required Specification	Compliance (Yes/No)
<b>6 Core Single Mode Outdoor Armored Fiber Optic Cable</b>	
6 Core Single Mode Outdoor Armored Fiber Optic Cable	
Electro Chromium Coated Corrugated Steel Tape (ECCS)	
Central loose tube with jelly compound	
Sequential meter marking	
Armoured Design with Steel music Wire	
OEM should have Inventory of Green House Gas Emission verification certificate in accordance with ISO 14064-1: 2006. Certificate must be submitted along with the bid otherwise it may cause for rejection of bid.	
The fiber should fulfill the requirement of IEC 793-2:1992, EN 188101, ITU-T Recommendation G.652	
Outer Diameter: 7.2±0.5mm	
Thickness of HDPE Jacket: 1.8±0.2mm	
Pulling Tension: Short Term (1000N)	
Crush Load: 2000N/100mm	
Bend Radius: Short Term (20D)	
The fiber type is a Matched Cladding Single Mode	
Fiber dual coated with acrylate coating.	
The fiber is optimized for operation at 1310 nm and at 1550 nm.	
Nominal Mode Field Diameter: 9.2 µm	
Cladding Diameter: 125 µm	
Cladding non-circularity: < 2%	
Core: Germanium doped core with no phosphorous	
Coating: UV curable dual layer acrylate coating to ensure excellent micro-bending and abrasion resistance	
PMD (ps/km): 0.2	
Cable Cut-off Wavelength: 1260nm	
ISO 45001:2018 & ISO 14064-1: 2006 certified. Certificates must be submitted along with the bid.	
<b>Attenuation (of cable with fibers):</b>	
At 1310 nm: ≤ 0.38 dB/km	
At 1550 nm : ≤ 0.25 dB/km	
OEM should have valid ISO 9001, ISO 14001 & ISO 45001:2018 certified for design and development of LAN and WAN products, all the relevant certificates must be submitted along with the bid.	
OEM should have Average Annual Financial Turnover not less than 500 Crores for their business in India for the last five financial years for data networking products.	
OEM must not be blacklisted or banned by any State/Central Government, Semi Government or PSU and any other GOVT. organization in INDIA and Globally.	
OEM should not have filed for bankruptcy and should have profitable balance sheet for at least each of the last 10 ( ten ) consecutive financial years.	
OEM should have a registered office in India and should be directly present for last 20 years in India and globally, from date of RFP publication.	

OEM should have their Own service centre running & operational within the state of installation (West Bengal ) with minimum manpower of 5 personals for at least last five years. Documentary evidence must be submitted along with the bid.	
The bidder/prime bidder shall quote only one specific make and model from only one specific OEM, for each of the quoted product. Providing more than one option shall not be allowed and subject to rejection of bid.	
OEM should have Inventory of Green House Gas Emission verification certificate in accordance with ISO 14064-1: 2006. Certificate must be submitted along with the bid otherwise it may cause for rejection of bid.	
<b>12 Port Rack Mount LIU Fully Loaded with Single Mode LC Adapters.</b>	<b>Compliance (Yes/No)</b>
12-Port, 19" Rack Mount LIU Fully Loaded with Single Mode LC Adapters	
Aluminium & Steel base material with powder coating for light mounting	
Snap-in locker design, easy to change the adapter panels	
It should have facility for managing splices & terminations	
OEM should have Inventory of Green House Gas Emission verification certificate in accordance with ISO 14064-1: 2006. Certificate must be submitted along with the bid otherwise it may cause for rejection of bid.	
It should be capable of storing upto 3mtr of 900micron tight buffered fiber per adapter	
It should have snap-in locker design for easy to change adapter panels for various connector patching	
ISO 45001:2018 & ISO 14064-1: 2006 certified. Certificates must be submitted along with the bid.	
It should have removable rubber grommet allowing for pre-terminated fibre trunk installation, cable protection & minimizing dust build-up.	
It should have at least 4 rubber cable plugs for cable entries.	
It should have removable front & top covers for better access to interior of LIU	
It should be supplied with cable ties, mounting ear screws and cable saddle	
OEM should have valid ISO 9001, ISO 14001 & ISO 45001:2018 certified for design and development of LAN and WAN products, all the relevant certificates must be submitted along with the bid.	
OEM should have Average Annual Financial Turnover not less than 500 Crores for their business in India for the last five financial years for data networking products.	
OEM must not be blacklisted or banned by any State/Central Government, Semi Government or PSU and any other GOVT. organization in INDIA and Globally.	
OEM should not have filed for bankruptcy and should have profitable balance sheet for at least each of the last 10 ( ten ) consecutive financial years.	
OEM should have a registered office in India and should be directly present for last 20 years in India and globally, from date of RFP publication.	
OEM should have their Own service centre running & operational within the state of installation (West Bengal ) with minimum manpower of 5 personals for at least last five years. Documentary evidence must be submitted along with the bid.	
The bidder/prime bidder shall quote only one specific make and model from only one specific OEM, for each of the quoted product. Providing more than one option shall not be allowed and subject to rejection of bid.	
OEM should have Inventory of Green House Gas Emission verification certificate in accordance with ISO 14064-1: 2006. Certificate must be submitted along with the bid otherwise it may cause for rejection of bid.	
<b>Single Mode LC Pigtail - 1Mtr</b>	<b>Compliance (Yes/No)</b>
Single Mode LC Pigtail - 1Mtr	
Provide a field installable Single mode LC pigtails	
Utilize a UPC polishing on the tip to provide high yield during installation.	
Insertion Loss (Max): <0.3 db Max.	

Mating Cycle : 1000 Times	
Return Loss : >/= 50 db for UPC	
Connector ferrule: Ceramic	
Retention strenght: 20N	
Minimum Installed Bend Radius: 30mm	
Operating Temp.: (- 10 deg. C to + 60 deg. C)	
Buffer diameter: 900um Tight buffer	
Types : LC Type Simplex	
OEM should have valid ISO 9001, ISO 14001 & ISO 45001:2018 certified for design and development of LAN and WAN products, all the relevant certificates must be submitted along with the bid.	
OEM should have Average Annual Financial Turnover not less than 500 Crores for their business in India for the last five financial years for data networking products.	
OEM must not be blacklisted or banned by any State/Central Government, Semi Government or PSU and any other GOVT. organization in INDIA and Globally.	
OEM should not have filed for bankruptcy and should have profitable balance sheet for at least each of the last 10 ( ten ) consecutive financial years.	
OEM should have a registered office in India and should be directly present for last 20 years in India and globally, from date of RFP publication.	
OEM should have their Own service centre running & operational within the state of installation (West Bengal ) with minimum manpower of 5 personals for at least last five years. Documentary evidence must be submitted along with the bid.	
The bidder/prime bidder shall quote only one specific make and model from only one specific OEM, for each of the quoted product. Providing more than one option shall not be allowed and subject to rejection of bid.	
OEM should have Inventory of Green House Gas Emission verification certificate in accordance with ISO 14064-1: 2006. Certificate must be submitted along with the bid otherwise it may cause for rejection of bid.	
<b>Single Mode LC-LC Duplex Patch Cord - 3Mtr</b>	<b>Compliance (Yes/No)</b>
Single Mode LC-LC Duplex Patch Cord - 3Mtr	
Optical fiber patch leads shall comprise of Single mode 9/125µm fiber with LC-LC fiber connectors terminated at each end. The optical fiber patch leads shall comply with the following specifications:	
ISO 45001:2018 & ISO 14064-1: 2006 certified. Certificates must be submitted along with the bid.	
OEM should have Inventory of Green House Gas Emission verification certificate in accordance with ISO 14064-1: 2006. Certificate must be submitted along with the bid otherwise it may cause for rejection of bid.	
Optical Fiber – Single mode	
Connector: Ceramic ferrule	
Pre-radiuses and pre-polished ferrule	
Duplex Type	
Color-coded yellow for Single mode	
Insertion Loss : <0.3 db	
Cable: 9/125, SM	
Return Loss: >/= 50dB for UPC	
Durability: 1000 mating cycle	
Working Temp: (- 10 deg. C to + 70 deg. C)	
Length: 3 Meter	
OEM should have valid ISO 9001, ISO 14001 & ISO 45001:2018 certified for design and development of LAN and WAN products, all the relevant certificates must be submitted along with the bid.	

OEM should have Average Annual Financial Turnover not less than 500 Crores for their business in India for the last five financial years for data networking products.	
OEM must not be blacklisted or banned by any State/Central Government, Semi Government or PSU and any other GOVT. organization in INDIA and Globally.	
OEM should not have filed for bankruptcy and should have profitable balance sheet for at least each of the last 10 ( ten ) consecutive financial years.	
OEM should have a registered office in India and should be directly present for last 20 years in India and globally, from date of RFP publication.	
OEM should have their Own service centre running & operational within the state of installation (West Bengal ) with minimum manpower of 5 personals for at least last five years. Documentary evidence must be submitted along with the bid.	
The bidder/prime bidder shall quote only one specific make and model from only one specific OEM, for each of the quoted product. Providing more than one option shall not be allowed and subject to rejection of bid.	
OEM should have Inventory of Green House Gas Emission verification certificate in accordance with ISO 14064-1: 2006. Certificate must be submitted along with the bid otherwise it may cause for rejection of bid.	
<b>Cat6 UTP Cable - Box of 305Mtr.</b>	<b>Compliance (Yes/No)</b>
Category 6 Unshielded Twisted Pair 4 pair cable shall be compliant with ANSI/TIA-568-C.2 channel performance	
The 4 pair Unshielded Twisted Pair cable shall be UL Listed, ETL Verified	
All Category 6 cables shall meet or exceed the following characteristics:	
Mechanical Characteristics	
Construction: 4 twisted pairs separated by internal X shaped, 4 channel, full separator. Half shall not be accepted.	
Conductor dia: 23 AWG	
Insulation: High density polyethylene	
Pairing: Two insulated conductor twisted together	
No.of Pair: 4 pairs	
Color of sheath: FR-PVC GREY- Single sheath	
Rip Cord should be available	
Sequential meter marking should be available	
Temperature Rating: ( - 20 to +60 C)	
Packing : 305 Mtrs.	
OEM should have Inventory of Green House Gas Emission verification certificate in accordance with ISO 14064-1: 2006. Certificate must be submitted along with the bid otherwise it may cause for rejection of bid.	
<b>Low Frequency Electrical Parameter</b>	
Conductor Resistance: $\leq 9.38$ OHMS/100 MTR	
Resistance Unbalance: 5% Max	
Mutual Capacitance: $< 5.6$ nF/100 mtrs	
Capacitance Unbalance: 330pF/100M	
Delay Skew: $< 45$ ns	
Generally confirming to EIA/TIA 568-C.2 and ISO 11801 Class E	
OEM should have valid ISO 9001, ISO 14001 & ISO 45001:2018 certified for design and development of LAN and WAN products, all the relevant certificates must be submitted along with the bid.	
OEM should have Average Annual Financial Turnover not less than 500 Crores for their business in India for the last five financial years for data networking products.	
OEM must not be blacklisted or banned by any State/Central Government, Semi Government or PSU and any other GOVT. organization in INDIA and Globally.	

OEM should not have filed for bankruptcy and should have profitable balance sheet for at least each of the last 10 ( ten ) consecutive financial years.	
OEM should have a registered office in India and should be directly present for last 20 years in India and globally, from date of RFP publication.	
OEM should have their Own service centre running & operational within the state of installation (West Bengal ) with minimum manpower of 5 personals for at least last five years. Documentary evidence must be submitted along with the bid.	
The bidder/prime bidder shall quote only one specific make and model from only one specific OEM, for each of the quoted product. Providing more than one option shall not be allowed and subject to rejection of bid.	
OEM should have Inventory of Green House Gas Emission verification certificate in accordance with ISO 14064-1: 2006. Certificate must be submitted along with the bid otherwise it may cause for rejection of bid.	
<b>Cat 6, 24-Port Cat6 UTP Patch Panel</b>	<b>Compliance (Yes/No)</b>
24-Port Cat6 Fully-loaded UTP Patch Panel	
Patch Panel made of powder coated steel, in 24 port configurations.	
Allow for a minimum of 200 re-terminations without signal degradation below standards compliance limit.	
Have port identification numbers on the front of the panel.	
IDC: Suitable for 22-26 AWG stranded and solid wire compatible with both 110 & Krone punch down tools	
The Cat-6 transmission performance is in compliance with the ANSI/TIA/EIA 568C.2 standard	
OEM should have Inventory of Green House Gas Emission verification certificate in accordance with ISO 14064-1: 2006. Certificate must be submitted along with the bid otherwise it may cause for rejection of bid.	
<b>Mechanical Characteristics:</b>	
Plastic Housing: PBT+Glass Fiber, UL94V-0 rated	
<b>Jack Connector</b>	
Operating Life: Minimum 750 insertion cycles	
Material: Phosher bronze with nickel plated	
Contact Plating: 50µ" Gold plated on plug contact area	
<b>IDC Connector</b>	
Plastic Housing: Polycarbonate	
IDC Contact Plating: Phosphor bronze with tin plated	
Wire Accommodation: 22-26 AWG solid	
Contact resistance: 20Milliohms	
Insulation resistance: 100 MegaOhms @ 500V DC	
OEM should have valid ISO 9001, ISO 14001 & ISO 45001:2018 certified for design and development of LAN and WAN products, all the relevant certificates must be submitted along with the bid.	
OEM should have Average Annual Financial Turnover not less than 500 Crores for their business in India for the last five financial years for data networking products.	
OEM must not be blacklisted or banned by any State/Central Government, Semi Government or PSU and any other GOVT. organization in INDIA and Globally.	
OEM should not have filed for bankruptcy and should have profitable balance sheet for at least each of the last 10 ( ten ) consecutive financial years.	
OEM should have a registered office in India and should be directly present for last 20 years in India and globally, from date of RFP publication.	
OEM should have their Own service centre running & operational within the state of installation (West Bengal ) with minimum manpower of 5 personals for at least last five years. Documentary evidence must be submitted along with the bid.	

The bidder/prime bidder shall quote only one specific make and model from only one specific OEM, for each of the quoted product. Providing more than one option shall not be allowed and subject to rejection of bid.	
OEM should have Inventory of Green House Gas Emission verification certificate in accordance with ISO 14064-1: 2006. Certificate must be submitted along with the bid otherwise it may cause for rejection of bid.	
<b>Cat6 UTP Patch Cord - 1Mtr</b>	<b>Compliance (Yes/No)</b>
Category 6 UTP Patch Cord – 1Mtr	
The work area equipment cords shall, at a minimum comply with proposed TIA/EIA-568-C.2 Commercial Building Cabling Standards Transmission Performance Specifications for 4 pair Category 6 Cabling. UL Listed & ETL Verified	
Equipped with modular 8-position modular plugs on both ends, wired straight through with standards compliant wiring.	
OEM should have Inventory of Green House Gas Emission verification certificate in accordance with ISO 14064-1: 2006. Certificate must be submitted along with the bid otherwise it may cause for rejection of bid.	
<b>Mechanical Feature of Cable:</b>	
Conductor size: 24 AWG multi-strands bare copper	
Jacket: FR-PVC	
<b>Mechanical Feature of Plug:</b>	
Operating life: Minimum 750 insertion cycles	
Contact blade: Copper Alloy	
Operating temperature: -10°C to 60°C	
Factory Crimped Patch Cord with Factory Moulded Boot	
OEM should have valid ISO 9001, ISO 14001 & ISO 45001:2018 certified for design and development of LAN and WAN products, all the relevant certificates must be submitted along with the bid.	
OEM should have Average Annual Financial Turnover not less than 500 Crores for their business in India for the last five financial years for data networking products.	
OEM must not be blacklisted or banned by any State/Central Government, Semi Government or PSU and any other GOVT. organization in INDIA and Globally.	
OEM should not have filed for bankruptcy and should have profitable balance sheet for at least each of the last 10 ( ten ) consecutive financial years.	
OEM should have a registered office in India and should be directly present for last 20 years in India and globally, from date of RFP publication.	
OEM should have their Own service centre running & operational within the state of installation (West Bengal ) with minimum manpower of 5 personals for at least last five years. Documentary evidence must be submitted along with the bid.	
The bidder/prime bidder shall quote only one specific make and model from only one specific OEM, for each of the quoted product. Providing more than one option shall not be allowed and subject to rejection of bid.	
OEM should have Inventory of Green House Gas Emission verification certificate in accordance with ISO 14064-1: 2006. Certificate must be submitted along with the bid otherwise it may cause for rejection of bid.	
<b>Cat6 UTP Patch Cord - 3Mtr</b>	<b>Compliance (Yes/No)</b>
Category 6 UTP Patch Cord – 3Mtr	
The work area equipment cords shall, at a minimum comply with proposed TIA/EIA-568-C.2 Commercial Building Cabling Standards Transmission Performance Specifications for 4 pair Category 6 Cabling. UL Listed & ETL Verified	
Equipped with modular 8-position modular plugs on both ends, wired straight through with standards compliant wiring.	

OEM should have Inventory of Green House Gas Emission verification certificate in accordance with ISO 14064-1: 2006. Certificate must be submitted along with the bid otherwise it may cause for rejection of bid.	
<b>Mechanical Feature of Cable:</b>	
Conductor size: 24 AWG multi-strands bare copper	
Jacket: FR-PVC	
<b>Mechanical Feature of Plug:</b>	
Operating life: Minimum 750 insertion cycles	
Contact blade: Copper Alloy	
Operating temperature: -10°C to 60°C	
Factory Crimped Patch Cord with Factory Moulded Boot	
OEM should have valid ISO 9001, ISO 14001 & ISO 45001:2018 certified for design and development of LAN and WAN products, all the relevant certificates must be submitted along with the bid.	
OEM should have Average Annual Financial Turnover not less than 500 Crores for their business in India for the last five financial years for data networking products.	
OEM must not be blacklisted or banned by any State/Central Government, Semi Government or PSU and any other GOVT. organization in INDIA and Globally.	
OEM should not have filed for bankruptcy and should have profitable balance sheet for at least each of the last 10 ( ten ) consecutive financial years.	
OEM should have a registered office in India and should be directly present for last 20 years in India and globally, from date of RFP publication.	
OEM should have their Own service centre running & operational within the state of installation (West Bengal ) with minimum manpower of 5 personals for at least last five years. Documentary evidence must be submitted along with the bid.	
The bidder/prime bidder shall quote only one specific make and model from only one specific OEM, for each of the quoted product. Providing more than one option shall not be allowed and subject to rejection of bid.	
OEM should have Inventory of Green House Gas Emission verification certificate in accordance with ISO 14064-1: 2006. Certificate must be submitted along with the bid otherwise it may cause for rejection of bid.	
<b>Single Port Cat 6 I/O</b>	<b>Compliance (Yes/No)</b>
Single Port Cat6 UTP Information Outlet with Face Plate & Surface Mount Box	
Write on labels in transparent plastic window – supplied with plate	
Face Plate with shutter	
Should be able to support variety of jacks – UTP, STP etc.	
Category 6, TIA568 C.2	
All information outlets for 22-26 AWG copper cable shall:	
Use insulation displacement connectors (IDC)	
Allow for a minimum of 200 re-terminations without signal degradation below standards compliance limits.	
OEM should have Inventory of Green House Gas Emission verification certificate in accordance with ISO 14064-1: 2006. Certificate must be submitted along with the bid otherwise it may cause for rejection of bid.	
<b>Jack Specification:</b>	
Plastic Housing: Polycarbonate, UL94V-2 rated or equivalent	
Operating Life: Minimum 750 insertion cycles	
Contact Material: Phosphor Bronze with nickel plated	
Contact Plating: 50 μinches gold on plug contact area	
IDC : Housing PC , UL 94 V-2, 568A/B configuration	
Operating Life: Minimum 200 Re-terminations	
IDC Contact Plating: Phosphor bronze with tin plated	

Operation Temp: -10° C to 60° C	
Keystone of I/O should be UL Listed. Back box should be of same make as keystone jack & face plate.	
OEM should have valid ISO 9001, ISO 14001 & ISO 45001:2018 certified for design and development of LAN and WAN products, all the relevant certificates must be submitted along with the bid.	
OEM should have Average Annual Financial Turnover not less than 500 Crores for their business in India for the last five financial years for data networking products.	
OEM must not be blacklisted or banned by any State/Central Government, Semi Government or PSU and any other GOVT. organization in INDIA and Globally.	
OEM should not have filed for bankruptcy and should have profitable balance sheet for at least each of the last 10 ( ten ) consecutive financial years.	
OEM should have a registered office in India and should be directly present for last 20 years in India and globally, from date of RFP publication.	
OEM should have their Own service centre running & operational within the state of installation (West Bengal ) with minimum manpower of 5 personals for at least last five years. Documentary evidence must be submitted along with the bid.	
The bidder/prime bidder shall quote only one specific make and model from only one specific OEM, for each of the quoted product. Providing more than one option shall not be allowed and subject to rejection of bid.	
OEM should have Inventory of Green House Gas Emission verification certificate in accordance with ISO 14064-1: 2006. Certificate must be submitted along with the bid otherwise it may cause for rejection of bid.	
<b>1GBase-LX Single-Mode SFP transceiver</b>	<b>Compliance (Yes/No)</b>
1000BaseLx Single Mode SFP Transceiver with Duplex LC Connector	
Support IEEE 802.3az standard	
Secure Product Development Lifecycle Process Requirement Certification in accordance with IEC 62443-4-1: 2018 standard. Certificate must be submitted along with the bid otherwise it may cause for rejection of bid.	
At least 10Km distance support on single mode fiber interface	
Transceiver module should be hot pluggable. MSA Compliant	
Operating wavelength: 1310nm	
Should be same make as switches.	
OEM offered must be in steady and profitable business in India at-least for each of the last 10 Financial years (FY 2013-14 to 2022-23). Bidder shall have to submit audited Balance Sheet in support of their claim.	
OEM should have valid ISO 9001, ISO 14001 & ISO 45001:2018 certified for design and development of LAN and WAN products, all the relevant certificates must be submitted along with the bid.	
OEM should have Average Annual Financial Turnover not less than 500 Crores for their business in India for the last five financial years for data networking products.	
OEM must not be blacklisted or banned by any State/Central Government, Semi Government or PSU and any other GOVT. organization in INDIA and Globally.	
OEM should not have filed for bankruptcy and should have profitable balance sheet for at least each of the last 10 ( ten ) consecutive financial years.	
OEM should have a registered office in India and should be directly present for last 20 years in India and globally, from date of RFP publication.	
OEM should have their Own service centre running & operational within the state of installation (West Bengal ) with minimum manpower of 5 personals for at least last five years. Documentary evidence must be submitted along with the bid.	
The bidder/prime bidder shall quote only one specific make and model from only one specific OEM, for each of the quoted product. Providing more than one option shall not be allowed and subject to rejection of bid.	
OEM should have valid ISO/IEC 27001: 2013 Information Security Management System Certification. Certificate must be submitted along with the bid otherwise it may cause for rejection of bid.	

<b>24 Port Switch</b>	<b>Compliance (Yes/No)</b>
Layer-2 Managed Switch having minimum 24x 10/100/1000BaseT ports, 4x 1GBaseT ports SFP+ slots	
Switching Capacity: Minimum 128Gbps	
Switch should support IEEE 802.3az Energy Efficient Ethernet	
The switch should be able to avoid the loop occurring in a single port connected to an unmanaged switch/hub by shutting down the corresponding port or corresponding VLAN	
The switch should have support for standard & extended Access control lists based on VLAN ID, 802.1p priority, MAC address, IP Address, DSCP, TCP/UDP port number, IPv6 traffic class. Time based ACL.	
OEM offered must be in steady and profitable business in India at-least for each of the last 10 Financial years ( FY 2013-14 to 2022-23 ) . Bidder shall have to submit audited Balance Sheet in support of their claim.	
OEM should have valid ISO 9001, ISO 14001 & ISO 45001:2018 certified for design and development of LAN and WAN products, all the relevant certificates must be submitted along with the bid.	
OEM should have Average Annual Financial Turnover not less than 500 Crores for their business in India for the last five financial years for data networking products.	
The OEM must not be blacklisted or banned by any State/Central Government, Semi Government or PSU and any other GOVT. organization in INDIA and Globally.	
OEM should not have filed for bankruptcy and should have profitable balance sheet for at least each of the last 10 ( ten ) consecutive financial years.	
OEM should have a registered office in India and should be directly present for last 20 years in India and globally, from date of RFP publication.	
The OEM should have their Own service centre running & operational within the state of installation (West Bengal ) with minimum manpower of 5 personals for at least last five years. Documentary evidence must be submitted along with the bid.	
The bidder/prime bidder shall quote only one specific make and model from only one specific OEM, for each of the quoted product. Providing more than one option shall not be allowed and subject to rejection of bid.	
OEM should have valid ISO/IEC 27001: 2013 Information Security Management System Certification. Certificate must be submitted along with the bid otherwise it may cause for rejection of bid.	
OEM should have Inventory of Green House Gas Emission verification certificate in accordance with ISO 14064-1: 2006. Certificate must be submitted along with the bid otherwise it may cause for rejection of bid.	
OEM should have Secure Product Development Lifecycle Process Requirement Certification in accordance with IEC 62443-4-1: 2018 standard. Certificate must be submitted along with the bid otherwise it may cause for rejection of bid.	
<b>Technical Specification Chairperson device long mic</b>	<b>Compliance ( Yes/no)</b>
Chairperson device long mic, Chairman Units are equipped with enhanced functionality that enables the user to take the role of chairman in a conference or meeting. The unit has a fixed microphone with flexible stem. Headphone sockets can be used to listen to the discussion in situations with excessive background noise. Priority button for chairman microphone -In addition to the 'microphone on' button the chairman units feature a 'chairman priority' button. Input 85dB SPL 85dB SPL Frequency Response 400Hz to 10kHz	
<b>Technical Specification Participant device long mic</b>	<b>Compliance ( Yes/no)</b>
Participant device long mic , The delegate units enable participants to actively take part in the meeting proceedings. A built-in microphone allows them to speak to the other delegates, and they can listen to the discussion using the built-in loudspeaker or (optional) personal headphones. Microphone with flexible stem and light ring- The microphone has a flexible stem, which is easily adjustable to suit personal preferences.	
<b>Technical Specification Conference Control Unit Controller System</b>	<b>Compliance ( Yes/no)</b>

Conference Control Unit Controller System ,The controller supports almost any kind of small or medium meeting. For business discussions and small conferences, two to six microphones can be active simultaneously, with the chairman always having speaker priority. The active microphone selection knob on the rear panel can be used to select the number of active participants. Unused microphones are switched off automatically after 65 seconds if delegates forget to switch off their units. Supplies power for up to 50 Discussion units ·	
<b>Technical Specification Wall/Column loudspeaker</b>	<b>Compliance ( Yes/no)</b>
Wall/Column loudspeaker 40W, 8Ω, Metal Column loudspeaker , 30 W Maximum Power : 45 W - Rated Power: 30 W - Sound pressure level at rated power / 1 W (1 kHz, 1 m: 105 / 92 dB (SPL) - Effective frequency range (-10 dB): 153 Hz – 17.7 kHz - Horizontal opening angle at 1 kHz / 4 kHz (-6 dB): 198°/ 130° - Vertical opening angle at 1 kHz / 4 kHz (-6 dB): 62°/ 18° - Material: Steel - Operating temperature : 0 °C to +55 °C - Relative humidity: ≤95%	
<b>Technical Specification 3IN Mixer amplifier</b>	<b>Compliance ( Yes/no)</b>
3IN Mixer amplifier, 240W, USB/BT 240 W Mixer Amplifier 4 mic/line inputs, music source input, single zone Mixer amplifier with 240 Watt RMS power, 100V Output, Individual Volume control, Master Bass and Treble Control. Mains power supply 230 VAC ±10%, 50 Hz Frequency response (Line) 80 Hz to 18 kHz (+1/-3 dB @-10 dB ref. rated output) Frequency response (Mic.) 80 Hz to 18 kHz (+1/-3 dB @ -10 dB ref. rated output) Distortion <1% @ rated output power, 1 kHz Mic./Line input 4 x Input 1 (push-to-talk contact with priority) 5-pin Euro style, balanced, phantom Input 2 3-pin XLR female, balanced, phantom Input 3 and 4 TRS Jack (1/4, 6.35 mm) balanced Sensitivity 1 mV (mic.); 200 to 300 mV (line)	
<b>Technical Specification Digital signal processor</b>	<b>Compliance ( Yes/no)</b>
Digital signal processor with min. 04AEC enabled Mic/Line inputs, 04 Line outputs or better , Input channel processing should include Pre amplifier, Signal generator, Expander, Compressor, 10 band Parametric EQ or better, Output Channel processing should include 31 band Graphic equalizer, Delay, Crossover, limiter or better, Other features should include Automatic mixing console, Ducker, Feedback elimination, Noise elimination, echo elimination or better, Should have built-in Bi directional USB for Software based VC as well as for playing digital audio, Should have built in Camera tracking Module, 8 Port Freely Configurable GPIO or better with Analog/Digital dynamic range of 114dB or better, Sampling rate of 48Khz or better, Frequency response of 20Hz – 20Khz or better, per channel phantom power module or better. Should be configurable thru software.	
<b>Technical Specification VC System</b>	<b>Compliance ( Yes/no)</b>
Camera should be plug and play and should comply to UVC 1.1 standards for processing of video Output : YUY2,MJPEG Optical Resolution : 8 MP (4K(3840×2160)30fps , 1080P60fps).Sensor size : 1/2.5" CMOS Port : USB 3.0 for end device connectivity SNR >= 38dB FOV : Diagonal 90°, Horizontal 82°and vertical 52°or above. Aperature : F2.0 ~ 3.1 Focal length Wide: 3.725mm, Tele : 17.88mm Should support autofocus. Smooth Motorized pan, tilt and zoom from remote control It should also be possible for user to control camera via simple software application in PC & Mac.Should support FECC : Far End camera control. Zoom:15x or better Camera Control: Standard VISCA / Mini din 6 pin or equivalent. +/-90° Pan range , +50°/-90° tilt range Minimum illumination : 80 lux Preset : 3 or above Should have Kensington Security Slot to ensure physical security of camera in conference room. Camera should have option to mount on Tripod stand if required.To be supplied with required power adaptor, regional plugs, cables minimum 3mts and mounting bracket.	
<b>Technical Specification 8x8 matrix Switcher</b>	<b>Compliance ( Yes/no)</b>
8x8 matrix Switcher 8x8 HDMI 2.0 Matrix Switcher. Supports 4K/60 4:4:4, HDR, HDCP2.3 compliant. Audio Matrix, audio out can be de embedded fro m arbitrary input or output. Individual volume adjustment on each L+R output. Supports 4K to 1080p down scaling up to 4 outputs. HDMI out provides 2.5W to power Active Optical Cable (AOC). HDMI Out put support up to 5V500mA for AO C cable Controllable by fr ont panel, IR, RS232 and TCP/IP.	
<b>Technical Specification All-In-One VC System</b>	<b>Compliance ( Yes/no)</b>

<p>ALL-IN-ONE VIDEO BAR FOR MEDIUM TO LARGE ROOMS should be plug and play and should comply to UVC 1.1 standards for processing of video. Output : YUY2, MJPEG. Optical Resolution : 8 MP : (4K, 1440p, 1080p, 900p, 720p, and SD at 30fps) Optical Resolution : 8 MP : (4K, 1440p, 1080p, 900p, 720p, and SD at 30fps) Optical Resolution : 8 MP : (4K, 1440p, 1080p, 900p, 720p, and SD at 30fps) Sensor size : 1/2.5" CMOS Sensor size : 1/2.5" CMOS Port : USB 3.0: 3x Type A, 1x Type C SNR &gt;= 38dB FOV : Diagonal 90°, Horizontal 82°.1 and vertical 52°.2 or above. Aperture : F2.0 ~ 3.1, Total Room Coverage 132.1° Horizontal x 82.2° Vertical Viewfinder Camera: Diagonal 174°, Horizontal 150° Focal length Wide: 3.725mm, Tele : 17.88mm Smooth Motorized pan, tilt and zoom from remote control or touch cont It should also be possible for user to control camera via simple software application in PC &amp; Mac. Should support FECC : Far End camera control. Zoom: 15x or better Camera Control: by remote PAN Motorized</p>	
---	--

**Un-Price BOQ Declaration**

**The above details must be submitted in the letter head of bidder dully signed and stamped by authorized signatory.**

<b>Swasthya Bhawan New Annex Building BOM AYUSH Dept. 3rd Floor</b>				
<b>Sl.No.</b>	<b>Materials Description</b>	<b>Uom</b>	<b>Qty</b>	<b>Offered OEM Make</b>
<b>Data Items</b>				
1	<b>SM 6 Core Single Mode Outdoor Armored Fiber Optic Cable.</b>	Mtrs	100	
2	<b>12-Port Rack Mount LIU Fully Loaded with Single Mode LC Adapters.</b>	Nos	2	
3	<b>Single Mode LC Pigtail - 1Mtr.</b>	Nos	24	
4	<b>Single Mode LC-LC Duplex Patch Cord - 3Mtr.</b>	Nos	2	
5	<b>UTP Cat 6 Cable., Cat6 UTP Cable - Box of 305Mtr.</b>	Mtrs	1830	
6	<b>Cat 6, 24-Port Cat6 UTP Patch Panel.</b>	Nos	2	
7	<b>Cat6 UTP Patch Cord - 1Mtr.</b>	Nos	34	
8	<b>Cat6 UTP Patch Cord - 3Mtr.</b>	Nos	34	
9	<b>Cat 6 I/O ( Faceplate + Keystone + OEM make Back Bpx ) , Single Port Cat6 UTP Information Outlet with Surface Mount Box. Keystone of I/O should be UL Listed. Back box should be of same make as keystone jack &amp; face plate.</b>	Nos	34	
10	<b>15U, 550mm Width, 550mm Depth Floor Rack with accessories.</b>	Nos	1	
11	<b>24 port Layer-2 Managed Switch having 24x10/100/1000Base-T ports &amp; 2x 10G SFP+ slots.</b>	Nos	2	
12	<b>1GBase-LX Single-Mode SFP transceivers, 10Km distance support. All the type of switches should be from same make.</b>	Nos	2	
13	<b>1 KVA OFFLINE UPS with 10 mts Backup</b>	Nos	1	
14	<b>25 MM PVC pipe with accessories ( ISI )</b>	mtrs	900	
15	<b>32 MM HDPE Pipe with accessories</b>	mtrs	80	
16	<b>Laying of FOC SM 6 Core With GI Clamp</b>	mtrs	100	
17	<b>Installation of pigtail</b>	Nos	24	
18	<b>Laying of CAT6 Cable</b>	Mtrs	1830	
19	<b>Installation of CAT6 I/O with faceplate and back box</b>	Nos	34	
20	<b>Installation of rack with accessories</b>	Nos	1	
21	<b>Installation of CAT6 Patch Pannel 24 port</b>	Nos	2	
<b>Voice items</b>				

1	2 Pair telephone Cable	Mtrs	1400	
2	RJ11 Single Port Telephone Jack Box 2 Screw Terminal	Nos	26	
3	50 Pair Rizer Cable	Mtrs	100	
4	50 Pair Krone Box	Nos	2	
5	Analog subscriber Card for existing EPBAX system	Nos	1	
6	Telephone Handset	Nos	26	
7	25 MM PVC pipe with accessories ( ISI )	Nos	700	
8	Laying of Telephone Cable	Mtrs	1400	
9	Laying of 50 Pair Rizer Cable	Mtrs	100	
10	50 Pair Krone Box Termination	Nos	2	
<b>CCTV Camera Items</b>				
1	IP 4 MP or higher Dome Camera	Nos	5	
2	IP 6 MP or higher Bullet Camera with mount box	Nos	3	
3	8 Port POE Switch	Nos	1	
4	24 Port POE Managed Switch having 24x10/100/1000Base-T ports & 2x 1G SFP+ slots.	Nos	1	
5	16 Chennel NVR	Nos	1	
6	2 nos 2 TB Survelance Hard disk	Nos	2	
7	Cat 6, 24-Port Cat6 UTP Patch Panel.	Nos	1	
8	UTP Cat 6 Cable., Cat6 UTP Cable - Box of 305Mtr.	Mtrs	610	
9	Cat6 UTP Patch Cord - 1Mtr.	Nos	5	
10	Cat6 UTP Patch Cord - 3Mtr.	Nos	5	
11	Cat 6 I/O ( Faceplate + Keystone + OEM make Back Bpx ) , Single Port Cat6 UTP Information Outlet with Surface Mount Box. Keystone of I/O should be UL Listed. Back box should be of same make as keystone jack & face plate.	Nos	5	
12	32" Display	Nos	1	
13	HDMI Cable 10 Mtr	Nos	1	
14	25 MM PVC pipe with accessories ( ISI )	Mtrs	610	
15	Laying of CAT6 Cable	Mtrs	610	
16	Installation of CAT6 Patch Pannel 24 port	Nos	1	
17	Installation of CAT6 I/O with faceplate and back box	Nos	5	
18	Installation of Camera	Nos	5	
<b>VC &amp; AV ( Big Confarance Room) Items</b>				
1	Chairperson device long mic	Nos	1	
2	Participant device long mic	Nos	15	
3	Conference Control Unit Controller System	Nos	1	
4	Wall/Column loudspeaker 40W, 8Ω, metal	Nos	6	
5	3IN Mixer amplifier, 240W, USB/BT	Nos	1	
6	10m Extension Assembly Cable	Nos	1	

7	Digital signal processor with min. 04AEC enabled Mic/Line inputs, 04 Line outputs or better , Input channel processing should include Pre amplifier, Signal generator, Expander, Compressor, 10 band Parametric EQ or better, Output Channel processing should include 31 band Graphic equalizer, Delay, Crossover, limiter or better, Other features should include Automatic mixing console, Ducker, Feedback elimination, Noise elimination, echo elimination or better, Should have built-in Bi directional USB for Software based VC as well as for playing digital audio, Should have built in Camera tracking Module, 8 Port Freely Configurable GPIO or better with Analog/Digital dynamic range of 114dB or better, Sampling rate of 48Khz or better, Frequency response of 20Hz – 20Khz or better, per channel phantom power module or better. Should be configurable thru software.	Nos	1	
8	Camera should be plug and play and should comply to UVC 1.1 standards for processing of video Output : YUY2,MJPEG Optical Resolution : 8 MP (4K(3840×2160)30fps , 1080P60fps).Sensor size : 1/2.5" CMOS Port : USB 3.0 for end device connectivity SNR >= 38dB FOV : Diagonal 90°, Horizontal 82°and vertical 52°or above. Aperature : F2.0 ~ 3.1 Focal length Wide: 3.725mm, Tele : 17.88mm Should support autofocus. Smooth Motorized pan, tilt and zoom from remote control It should also be possible for user to control camera via simple software application in PC & Mac.Should support FECC : Far End camera control. Zoom:15x or better Camera Control: Standard VISCA / Mini din 6 pin or equivalent. +/-90° Pan range , +50°/-90° tilt range Minimum illumination : 80 lux Preset : 3 or above Should have Kensington Security Slot to ensure physical security of camera in conference room. Camera should have option to mount on Tripod stand if required.To be supplied with required power adaptor, regional plugs, cables minimum 3mts and mounting bracket.	Nos	1	
9	8x8 matrix Switcher 8x8 HDMI 2.0 Matrix Switcher. Supports 4K/60 4:4:4, HDR, HDCP2.3 compliant. Audio Matrix, audio out can be de embedded fro m arbitrary input or output. Individual volume adjustment on each L+R output. Supports 4K to 1080p down scaling up to 4 outputs. HDMI out provides 2.5W to power Active Optical Cable (AOC). HDMI Out put support up to 5V500mA for AO C cable Controllable by fr ont panel, IR, RS232 and TCP/IP.	Nos	1	
10	Main Display ( Professional Display 85" ,16X7 operations hrs.350 nits brightness )HAZE 2%,Symmetric Design, Center IR, Temperature Sensor, Ambient Sensor Auto Level Wi-Fi(2.4/5.0GHz dual) & BT S/W : Workspace (Microsoft365/VMWare/RDP) Custom Home Auto Source Signage Home, Workspace,(Microsoft365/VMWare/RDP),Custom, Auto Source Switching & Recovery,Dicom Simulation Mode,Director Mode Upgradable Web-Engine,Tizen Enterprise Platform,Video Conference Solution,HDR Support	Nos	1	
11	Desktop PC: Intel Core i-5 or AMD Rizen 5 Processor / 16GB RAM/512 GB SSD / WIN 11 Home, 3 Years Warranty.	Nos	1	
12	600 VA UPS with 10 Min battery backup	Nos	1	
13	Side Display ( Professional Display 55" ,16X7 operationas hrs.350 nits brightness )HAZE 2%,Symmetric Design, Center IR, Temperature Sensor, Ambient Sensor Auto Level Wi-Fi(2.4/5.0GHz dual) & BT S/W : Workspace (Microsoft365/VMWare/RDP) Custom Home Auto Source Signage Home,Workspace,(Microsoft365/VMWare/RDP),Custom,Auto Source Switching & Recovery,Dicom Simulation Mode,Director Mode Upgradable Web-Engine,Tizen Enterprise Platform,Video Conference Solution,HDR	Nos	2	

	Support			
14	16"(40.6cm) FHD 1920x1080 IPS Lightweight Portable and Slim Travel Monitor with USB-C 60W Power Charge, Foldable Stand, Eye-Care Screen (PC, Laptop, Mobile), Tilt, Speaker, HDMI.	Nos	1	
15	Ultra High - Speed Active Optical HDMI to HDMI cable 2.1 , 8K@60Hz/4k@120Hz , HDMI Male to HDMI Male, 48G , 7.5m ( 25 ft) , Dynamic HDR , eARC, Gold-plated Contacts	Nos	2	
16	Ultra High - Speed Active Optical HDMI to HDMI cable 2.1 , 8K@60Hz/4k@120Hz , HDMI Male to HDMI Male, 48G , 10m ( 33 ft), Dynamic HDR , eARC, Gold-plated Contacts	Nos	3	
17	Ultra High - Speed Active Optical HDMI to HDMI cable 2.1 , 8K@60Hz/4k@120Hz , HDMI Male to HDMI Male, 48G , 15m ( 50 ft) , Dynamic HDR , eARC, Gold-plated Contacts	Nos	6	
18	Cable Cubby 2 Universal socket, Configuration: USBA+C charging, 6 grommets Alloy panel+ steel base	Nos	6	
19	17U Rack with accessories. ( with Double 10 Port PDU )	Nos	1	
20	1 KVA OFFLINE UPS with 10 mts Backup	Nos	3	
21	Speaker Cable, Audio Cable & Connectors with all accessories	Ls	1	
22	Programming, Intallation, Testing & Commissioning	Ls	1	
<b>Small VC Room Items</b>				
1	<b>ALL-IN-ONE VIDEO BAR FOR MEDIUM TO LARGE ROOMS VC System</b>	Nos	1	
2	Display ( Professional Display 55" ,16X7 operations hrs.350 nits brightness ) HAZE 2%,Symmetric Design, Center IR, Temperature Sensor, Ambient Sensor Auto Level Wi-Fi(2.4/5.0GHz dual) & BT S/W : Workspace (Microsoft365/VMWare/RDP) Custom Home Auto Source Signage Home, Workspace,(Microsoft365/VMWare/RDP),Custom ,Auto Source Switching & Recovery, Dicom Simulation Mode, Director Mode Upgradable Web-Engine, Tizen Enterprise Platform, Video Conference Solution, HDR Support	Nos	1	
3	Desktop PC: Intel Core i-5 or AMD Rizen 5 Processor / 16GB RAM/512 GB SSD / WIN 11 Home, 3 Years Warranty.	Nos	1	
4	600 VA UPS with 10 Min battery backup	Nos	1	
5	Installation, Testing & Commissioning	Ls	1	
6	1 KVA OFFLINE UPS with 15 mts Backup	Nos	1	

## Swasthya Bhawan New Annex Building Price bid format AYUSH Dept. 3rd Floor

Sl.No.	Materials Description	Uom	Qty	Offered OEM Make	Unit Price with Tax	Total Price with tax
<b>Data Items</b>						
1	SM 6 Core Single Mode Outdoor Armored Fiber Optic Cable.	Mtrs	100			
2	12-Port Rack Mount LIU Fully Loaded with Single Mode LC Adapters.	Nos	2			
3	Single Mode LC Pigtail - 1Mtr.	Nos	24			
4	Single Mode LC-LC Duplex Patch Cord - 3Mtr.	Nos	2			
5	UTP Cat 6 Cable., Cat6 UTP Cable - Box of 305Mtr.	Mtrs	1830			
6	Cat 6, 24-Port Cat6 UTP Patch Panel.	Nos	2			
7	Cat6 UTP Patch Cord - 1Mtr.	Nos	34			
8	Cat6 UTP Patch Cord - 3Mtr.	Nos	34			
9	Cat 6 I/O ( Faceplate + Keystone + OEM make Back Bpx ) , Single Port Cat6 UTP Information Outlet with Surface Mount Box. Keystone of I/O should be UL Listed. Back box should be of same make as keystone jack & face plate.	Nos	34			
10	15U, 550mm Width, 550mm Depth Floor Rack with accessories.	Nos	1			
11	24 port Layer-2 Managed Switch having 24x10/100/1000Base-T ports & 2x 10G SFP+ slots.	Nos	2			
12	1GBase-LX Single-Mode SFP transceivers, 10Km distance support. All the type of switches should be from same make.	Nos	2			
13	1 KVA OFFLINE UPS with 10 mts Backup	Nos	1			
14	25 MM PVC pipe with accessories ( ISI )	mtrs	900			
15	32 MM HDPE Pipe with accessories	mtrs	80			
16	Laying of FOC SM 6 Core With GI Clamp	mtrs	100			
17	Installation of pigtail	Nos	24			
18	Laying of CAT6 Cable	Mtrs	1830			
19	Installation of CAT6 I/O with faceplate and back box	Nos	34			
20	Installation of rack with accessories	Nos	1			
21	Installation of CAT6 Patch Pannel 24 port	Nos	2			
<b>Voice items</b>						
1	2 Pair telephone Cable	Mtrs	1400			
2	RJ11 Single Port Telephone Jack Box 2 Screw Terminal	Nos	26			
3	50 Pair Rizer Cable	Mtrs	100			
4	50 Pair Krone Box	Nos	2			
5	Analog subscriber Card for existing EPBAX system	Nos	1			
6	Telephone Handset	Nos	26			
7	25 MM PVC pipe with accessories ( ISI )	Nos	700			
8	Laying of Telephone Cable	Mtrs	1400			
9	Laying of 50 Pair Rizer Cable	Mtrs	100			
10	50 Pair Krone Box Termination	Nos	2			
<b>CCTV Camera Items</b>						
1	IP 4 MP or higher Dome Camera	Nos	5			
2	IP 6 MP or higher Bullet Camera with mount box	Nos	3			
3	8 Port POE Switch	Nos	1			

4	24 Port POE Managed Switch having 24x10/100/1000Base-T ports & 2x 1G SFP+ slots.	Nos	1			
5	16 Chennel NVR	Nos	1			
6	2 nos 2 TB Surveillance Hard disk	Nos	2			
7	Cat 6, 24-Port Cat6 UTP Patch Panel.	Nos	1			
8	UTP Cat 6 Cable., Cat6 UTP Cable - Box of 305Mtr.	Mtrs	610			
9	Cat6 UTP Patch Cord - 1Mtr.	Nos	5			
10	Cat6 UTP Patch Cord - 3Mtr.	Nos	5			
11	Cat 6 I/O ( Faceplate + Keystone + OEM make Back Bpx ) , Single Port Cat6 UTP Information Outlet with Surface Mount Box. Keystone of I/O should be UL Listed. Back box should be of same make as keystone jack & face plate.	Nos	5			
12	32" Display	Nos	1			
13	HDMI Cable 10 Mtr	Nos	1			
14	25 MM PVC pipe with accessories ( ISI )	Mtrs	610			
15	Laying of CAT6 Cable	Mtrs	610			
16	Installation of CAT6 Patch Pannel 24 port	Nos	1			
17	Installation of CAT6 I/O with faceplate and back box	Nos	5			
18	Installation of Camera	Nos	5			
<b>VC &amp; AV ( Big Conference Room) Items</b>						
1	Chairperson device long mic	Nos	1			
2	Participant device long mic	Nos	15			
3	Conference Control Unit Controller System	Nos	1			
4	Wall/Column loudspeaker 40W, 8Ω, metal	Nos	6			
5	3IN Mixer amplifier, 240W, USB/BT	Nos	1			
6	10m Extension Assembly Cable	Nos	1			
7	Digital signal processor with min. 04AEC enabled Mic/Line inputs, 04 Line outputs or better , Input channel processing should include Pre amplifier, Signal generator, Expander, Compressor, 10 band Parametric EQ or better, Output Channel processing should include 31 band Graphic equalizer, Delay, Crossover, limiter or better, Other features should include Automatic mixing console, Ducker, Feedback elimination, Noise elimination, echo elimination or better, Should have built-in Bi directional USB for Software based VC as well as for playing digital audio, Should have built in Camera tracking Module, 8 Port Freely Configurable GPIO or better with Analog/Digital dynamic range of 114dB or better, Sampling rate of 48Khz or better, Frequency response of 20Hz – 20Khz or better, per channel phantom power module or better. Should be configurable thru software.	Nos	1			
8	Camera should be plug and play and should comply to UVC 1.1 standards for processing of video Output : YUY2,MJPEG Optical Resolution : 8 MP (4K(3840×2160)30fps , 1080P60fps).Sensor size : 1/2.5" CMOS Port : USB 3.0 for end device connectivity SNR >= 38dB FOV : Diagonal 90°, Horizontal 82°and vertical 52°or above. Aperature : F2.0 ~ 3.1 Focal length Wide: 3.725mm, Tele : 17.88mm Should support autofocus. Smooth Motorized pan, tilt and zoom from remote control It should also be possible for user to control camera via simple software application in PC & Mac.Should support FECC : Far End camera control. Zoom:15x or better Camera Control: Standard VISCA / Mini din 6 pin or equivalent. +/-90° Pan range , +50°/-90° tilt range Minimum illumination : 80 lux Preset : 3 or above Should have Kensington Security Slot to ensure physical security of camera in conference room. Camera should have option to mount on Tripod stand if required.To be supplied with required power adaptor, regional plugs, cables minimum 3mts and mounting bracket.	Nos	1			

9	8x8 matrix Switcher 8x8 HDMI 2.0 Matrix Switcher. Supports 4K/60 4:4:4, HDR, HDCP2.3 compliant. Audio Matrix, audio out can be de embedded fro m arbitrary input or output. Individual volume adjustment on each L+R output. Supports 4K to 1080p down scaling up to 4 outputs. HDMI out provides 2.5W to power Active Optical Cable (AOC). HDMI Out put support up to 5V500mA for AO C cable Controllable by fr ont panel, IR, RS232 and TCP/IP.	Nos	1			
10	Main Display ( Professional Display 85" ,16X7 operationas hrs.350 nits brightness )HAZE 2%,Symmetric Design, Center IR, Temperature Sensor, Ambient Sensor Auto Level Wi-Fi(2.4/5.0GHz dual) & BT S/W : Workspace (Microsoft365/VMWare/RDP) Custom Home Auto Source Signage Home,Workspace,(Microsoft365/VMWare/RDP),Custom,Auto Source Switching & Recovery,Dicom Simulation Mode,Director Mode Upgradable Web-Engine,Tizen Enterprise Platform,Video Conference Solution,HDR Support	Nos	1			
11	Desktop PC: Intel Core i-5 or AMD Rizen 5 Processor / 16GB RAM/512 GB SSD / WIN 11 Home, 3 Years Warranty.	Nos	1			
12	600 VA UPS with 10 Min battery backup	Nos	1			
13	Side Display ( Professional Display 55" ,16X7 operationas hrs.350 nits brightness )HAZE 2%,Symmetric Design, Center IR, Temperature Sensor, Ambient Sensor Auto Level Wi-Fi(2.4/5.0GHz dual) & BT S/W : Workspace (Microsoft365/VMWare/RDP) Custom Home Auto Source Signage Home,Workspace,(Microsoft365/VMWare/RDP),Custom,Auto Source Switching & Recovery,Dicom Simulation Mode,Director Mode Upgradable Web-Engine,Tizen Enterprise Platform,Video Conference Solution,HDR Support	Nos	2			
14	16" (40.6cm) FHD 1920x1080 IPS Lightweight Portable and Slim Travel Monitor with USB-C 60W Power Charge, Foldable Stand, Eye-Care Screen (PC, Laptop, Mobile), Tilt, Speaker, HDMI.	Nos	1			
15	Ultra High - Speed Active Optical HDMI to HDMI cable 2.1 , 8K@60Hz/4k@120Hz , HDMI Male to HDMI Male, 48G , 7.5m ( 25 ft) , Dynamic HDR , eARC, Gold-plated Contacts	Nos	2			
16	Ultra High - Speed Active Optical HDMI to HDMI cable 2.1 , 8K@60Hz/4k@120Hz , HDMI Male to HDMI Male, 48G , 10m ( 33 ft), Dynamic HDR , eARC, Gold-plated Contacts	Nos	3			
17	Ultra High - Speed Active Optical HDMI to HDMI cable 2.1 , 8K@60Hz/4k@120Hz , HDMI Male to HDMI Male, 48G , 15m ( 50 ft) , Dynamic HDR , eARC, Gold-plated Contacts	Nos	6			
18	Cable Cubby 2 Universal socket, Configuration: USBA+C charging, 6 grommets Alloy panel+ steel base	Nos	6			
19	17U Rack with accessories. ( with Double 10 Port PDU )	Nos	1			
20	1 KVA OFFLINE UPS with 10 mts Backup	Nos	3			
21	Speaker Cable, Audio Cable & Connectors with all accessories	LS	1			
22	Programing, Intallation, Testing & Commissioning	Ls	1			
<b>Small VC Room Items</b>						
1	ALL-IN-ONE VIDEO BAR FOR MEDIUM TO LARGE ROOMS VC System	Nos	1			

2	Display ( Professional Display 55" ,16X7 operationas hrs.350 nits brightness ) HAZE 2%,Symmetric Design, Center IR, Temperature Sensor, Ambient Sensor Auto Level Wi-Fi(2.4/5.0GHz dual) & BT S/W : Workspace (Microsoft365/VMWare/RDP) Custom Home Auto Source SignageHome,Workspace,(Microsoft365/VMWare/RDP),Custom,Auto Source Switching & Recovery,Dicom Simulation Mode,Director Mode Upgradable Web-Engine,Tizen Enterprise Platform,Video Conference Solution,HDR Support	Nos	1			
3	Desktop PC: Intel Core i-5 or AMD Rizen 5 Processor / 16GB RAM/512 GB SSD / WIN 11 Home, 3 Years Warranty.	Nos	1			
4	600 VA UPS with 10 Min battery backup	Nos	1			
5	Intallation, Testing & Commissioning	Ls	1			
6	1 KVA OFFLINE UPS with 15 mts Backup	Nos	1			
<b>Total Price Including Tax:</b>						

**Financial format (this should be uploaded in financial document folder only, not to be uploaded in technical bid if any bidder should upload the same in technical bid, then this bid will be rejected)**

1318634