



ସମଗ୍ର ଶିକ୍ଷା
समग्र शिक्षा
Samagra Shiksha



ODISHA SCHOOL EDUCATION PROGRAMME AUTHORITY

"SHIKSHA SOUDHA", UNIT-V, BHUBANESWAR-751001

Ph. No. 0674-2395325(O), Fax-0674-2392721, eMail-osepaedu@yahoo.co.in

No. 6342 /2026

Date. 08/06/2026

NOTICE INVITING TENDER (NIT)

Sealed Tenders are invited from PSUs/ Govt. agencies for replacement and up-gradation of End-of-Service Firewall Security System (i.e. Sophos XG 430), Switches and Wi-Fi System, provisioning of earthing and Surge Protection Device (SPD) and integration of table-top microphones and speakers for real-time voice & video, OSWAN and web Conferencing at Subarnarekha and Rushikulya Conference halls under OSEPA.

The eligibility criteria, scope of work, tentative Bill of Materials (BoM), terms & conditions of the bid is available in the website i.e. <https://osepa.odisha.gov.in>. Corrigendum/addendum if required will be uploaded in the above website. The prospective bidders shall conduct site survey, ensures technical feasibility, existing infrastructure conditions and measurements before submitting the bid. The Price bid should be submitted as per enclosed (Format-A) dully filled up and signed with seal. The prospective bidders are requested to be in continuous touch with the above web site.

Submission of Bid

Interested bidders may submit their sealed quotations super scribing tender no. and date along with all supporting documents, to the undersigned within 10 (Ten) days from the date of publication of this notice.

Submission Details

- Last Date & Time of Submission: In all working days up to 5.30 PM of 18 /06/2026
- Date & Time of Opening: 03.30 PM of 19 /06/2026
- Place of Submission: OSEPA, Shiksha Soudha, Unit-V, Bhubaneswar-751001

The detailed scope of work and eligibility criteria is an integral part of this Tender Notice.

The Tender Inviting Authority(TIA) i.e. OSEPA reserves the right to accept or reject any or all bids/cancel the entire selection process at any stage, wholly or partly, without assigning any reason thereof. No claim, whatsoever, shall be admissible for the alleged loss/damage suffered by the bidders on account of such rejections/cancelation.

Sd/-
State Project Director

Copy to:

1. Notice Board, OSEPA
2. <https://www.osepa.odisha.gov.in>

Eligibility Criteria

1. Manufacturing Authorization Form (MAF) for all active networking and security equipment shall be submitted.
2. Bidder must possess valid GST registration and PAN and other statutory registrations.
3. The bidder should have experience in execution of similar networking, security, Wi-Fi, or data communication projects.

Scope of Work

The work broadly includes:

- Replacement & up-gradation of existing End-of-Life (EoL/EoS) Next Generation Firewall (NGFW).
- Supply, installation, and commissioning of Managed PoE Access Switches, SFP Modules, Wireless Access Points, and Wi-Fi Controller.
- Supply and installation of Online UPS system with batteries and associated electrical works.
- Audio-Visual Conference Hall Solutions for Rusikulya and Subarnarekha Conference Halls at OSEPA.
- Supply and installation of passive networking components including UTP, OFC, Patch Panels, Patch Cords, Earthing System, SPDs, and associated electrical cabling.
- Shifting, installation, testing, commissioning, integration, labeling, and documentation of the complete solution.

Tentative specification mentioned below, interested bidders are required to conduct a site survey and verify the existing infrastructure, technical feasibility, and quantities before submission of the bid.

Sl. No.	Tentative Bill of Materials (BoM) description
1	Replacement and up-gradation of EoL/EoS Sophos XG 430 Firewall, with a high-performance Sophos Next-generation firewall with 24/48 × 1G/10G RJ-45/SFP+ ports with PoE/PoE+ and 4–8 × 10G SFP+ uplink ports. It provides advanced features including VLAN, QoS, ACLs, link aggregation, redundancy protocols, intrusion prevention, and VPN support for secure, scalable, and manageable network deployment. Scope includes supply, installation, configuration, testing, and commissioning of the device.
2	Replacement and up-gradation of Cisco Managed PoE Switch is equipped with 24 × 10/100/1000 Mbps Gigabit Ethernet PoE RJ-45 ports supporting IEEE 802.3af/at standards for powering devices such as wireless access points, along with 2 × 1G SFP uplink ports for high-speed fibre connectivity to the core network.
3	1G SFP SMF Transceiver
4	Replacement and up-gradation of Cisco Wireless Access Point with dual-band (2.4 GHz & 5 GHz) radios, supporting PoE (IEEE 802.3af/at)
5	Cisco Wi-Fi Controller with AP License Subscription
6	10 KVA Online UPS with 2-hour battery backup, providing reliable, high-efficiency power protection for critical IT and network equipment.
7	12V 100AH Battery for UPS
8	MS Rack & IRIT Link for SMF Batteries of 12V 100AH
9	Rusikulya Conference Hall at OSEPA
a.	UDE-Audio Table Top Microphone with internal preamplifier, phantom power (12–52 VDC), 30 Hz–12 kHz frequency response, -53 dB sensitivity, 100 Ω impedance, max SPL 125 dB, SNR 67 dB, ON/OFF switch

b.	Xilica DSP system with 32-bit/48kHz processing, 15 inputs, 6 outputs, 2 AEC, echo cancellation, phantom power, USB audio, Dante networking, and RS232/TCP-IP/Web control; low-noise, compact, and energy-efficient (<60W).
c.	Sonodyne wall-mount speaker with 5" woofer, 80 Hz–20 kHz, 60 W direct, 100V/70V taps, 8 Ω, 88 dB sensitivity, max SPL 105 dB, IP65, aluminium grille, polypropylene enclosure.
d.	Sonodyne 4-channel amplifier, 120 W/ch, 4 Ω/70 V/100 V outputs, 100 Hz–16 kHz, <0.2% THD+N, >92 dB SNR, 1 Vrms input, 2RU rack-mount, fan-cooled.
e.	2-core 16 AWG speaker cable, Cat6 UTP for Dante/control, XLR M/F connectors, TA3F mini-XLR receptacle, 3/5-pin Phoenix spares, and miscellaneous installation materials (heat-shrink, tape, ferrules, cable ties).
f.	Cisco 8 port managed POE switch
g.	Wooden Rack & glass shelf for equipment & camera mount
10	Subarnarekha Conference Hall at OSEPA
a.	UDE-Audio Table Top Microphone with internal preamplifier, phantom power (12–52 VDC), 30 Hz–12 kHz frequency response, -53 dB sensitivity, 100 Ω impedance, max SPL 125 dB, SNR 67 dB, ON/OFF switch
b.	Xilica DSP system with 32-bit/48kHz processing, 15 inputs, 6 outputs, 2 AEC, echo cancellation, phantom power, USB audio, Dante networking, and RS232/TCP-IP/Web control; low-noise, compact, and energy-efficient (<60W).
c.	Sonodyne wall-mount speaker with 5" woofer, 80 Hz–20 kHz, 60 W direct, 100V/70V taps, 8 Ω, 88 dB sensitivity, max SPL 105 dB, IP65, aluminium grille, polypropylene enclosure.
d.	Sonodyne 4-channel amplifier, 120 W/ch, 4 Ω/70 V/100 V outputs, 100 Hz–16 kHz, <0.2% THD+N, >92 dB SNR, 1 Vrms input, 2RU rack-mount, fan-cooled.
e.	2-core 16 AWG speaker cable, Cat6 UTP for Dante/control, XLR M/F connectors, TA3F mini-XLR receptacle, 3/5-pin Phoenix spares, and miscellaneous installation materials (heat-shrink, tape, ferrules, cable ties).
f.	Cisco 8 port Managed POE switch
g.	Wooden Rack & glass shelf for equipment & camera mount
11	Molex Passive Components
a.	I/O with SMB (Single jack)
b.	24 port Patch Panel full loaded
c.	1 mtr UTP Patch cord
d.	2 mtrs UTP Patch cord
e.	UTP Cable
f.	12 Core fibre cable
g.	12 Port LIU full loaded
h.	1 Mtr Fibre Patch cord
i.	Single Phase Surge Protection Devices (SPD) for electrical panel, suitable for protection against over-voltage transients.
j.	Three Phase Surge Protection Devices (SPD) for electrical panel, suitable for protection against over-voltage transients.
k.	10 Sq mm Single core Fr Pvc Insulated Copper Flexible Cable for Electrical connection of SPDs to the panel using Colour - Green
l.	Copper Earthing Bus Bar
m.	Earth Pit with Copper Plate (400 mm x 400 mm x 3 mm) Standard GI Pipe, including all necessary fittings, and connections accessories
n.	25 mm x 3 mm copper strip for connecting the earth plate to the main electrical panel.
o.	63A 4 Polo MCB
p.	63A DP MCB

q.	10 Sq mm for using the UPS input (Black, Red and Blue)
r.	2.5 Sq mm Cables for using to the UPS output (Black, Red and Blue) DB-Rack
s.	4 Sq mm Cables for using to the UPS output (Black, Red and Blue) DB-DB
t.	10A MCB for using the individual network switch Input
u.	32A DP MCB for using the UPS output in the individual Floors.
v.	MCB Box 63A 4 Polo MCB
w.	Laying of Electrical cable including pvc pipe and other accessories
12	Shifting, installation, testing, and commissioning of existing components, including proper peripheral cable dressing, labeling, and identification within the existing rack. The scope also includes complete audio system installation, configuration, and commissioning for two conference halls

Note:-

All active network components including switches, firewalls, wireless access points, controller and UPS systems shall be covered with a comprehensive warranty of five (05) years. All Audio-Visual (AV) components shall be covered under a comprehensive warranty of three (03) years as per OEM Standard Warranty terms and conditions. All electrical up-gradation items and passive work shall be covered under a comprehensive warranty of one (01) years.

Sl. No.	Tentative Bill of Materials (BoM) description	Quantity	Base Price Per Unit	Base Price	GST	Total price
1	Replacement and up-gradation of EoL/EoS Sophos XG 430 Firewall, with a high-performance Sophos Next-generation firewall with 24/48 × 1G/10G RJ-45/SFP+ ports with PoE/PoE+ and 4–8 × 10G SFP+ uplink ports. It provides advanced features including VLAN, QoS, ACLs, link aggregation, redundancy protocols, intrusion prevention, and VPN support for secure, scalable, and manageable network deployment. Scope includes supply, installation, configuration, testing, and commissioning of the device.					
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3	1G SFP SMF Transceiver					
4	Replacement and up-gradation of Cisco Wireless Access Point with dual-band (2.4 GHz & 5 GHz) radios, supporting PoE (IEEE 802.3af/at)					
5	Cisco Wi-Fi Controller with AP License Subscription					
6	10 KVA Online UPS with 2-hour battery backup, providing reliable, high-efficiency power protection for critical IT and network equipment.					
7	12V 100AH Battery for UPS					
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9	Rusikulya Conference Hall at OSEPA					
a.	UDE-Audio Table Top Microphone with internal preamplifier, phantom power (12–52 VDC), 30 Hz–12 kHz frequency response, -53 dB sensitivity, 100 Ω impedance,					

	max SPL 125 dB, SNR 67 dB, ON/OFF switch					
b.	Xilica DSP system with 32-bit/48kHz processing, 15 inputs, 6 outputs, 2 AEC, echo cancellation, phantom power, USB audio, Dante networking, and RS232/TCP-IP/Web control; low-noise, compact, and energy-efficient (<60W).					
c.	Sonodyne wall-mount speaker with 5" woofer, 80 Hz–20 kHz, 60W direct, 100V/70V taps, 8 Ω, 88dB sensitivity, max SPL 105dB, IP65, aluminium grille, polypropylene enclosure.					
d.	Sonodyne 4-channel amplifier, 120W/ch, 4 Ω/70V/100V outputs, 100 Hz–16 kHz, <0.2% THD+N, >92dB SNR, 1Vrms input, 2RU rack-mount, fan-cooled.					
e.	2-core 16AWG speaker cable, Cat6 UTP for Dante/control, XLR M/F connectors, TA3F mini-XLR receptacle, 3/5-pin Phoenix spares, and miscellaneous installation materials (heat-shrink, tape, ferrules, cable ties).					
f.	Cisco 8 port managed POE switch					
g.	Wooden Rack & glass shelf for equipment & camera mount					
10	Subanrekha Conference Hall at OSEPA					
a.	UDE-Audio Table Top Microphone with internal preamplifier, phantom power (12–52 VDC), 30 Hz–12 kHz frequency response, -53 dB sensitivity, 100 Ω impedance, max SPL 125 dB, SNR 67 dB, ON/OFF switch					
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i.	Single Phase Surge Protection Devices (SPD) for electrical panel, suitable for protection against over-voltage transients.					
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k.	10 Sq mm Single core Fr Pvc Insulated Copper Flexible Cable for Electrical connection of SPDs to the panel using Colour - Green					
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m.	Earth Pit with Copper Plate (400 mm x 400 mm x 3 mm) Standard GI Pipe, including all necessary fittings, and connections accessories					
n.	25 mm x 3 mm copper strip for connecting the earth plate to the main electrical panel.					
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t.	10A MCB for using the individual network switch Input					
u.	32A DP MCB for using the UPS output in the individual Floors.					
v.	MCB Box 63A 4 Polo MCB					
w.	Laying of Electrical cable including pvc pipe and other accessories					
12	Shifting, installation, testing, and commissioning of existing components, including proper peripheral cable dressing, labeling, and identification within the existing rack. The scope also includes complete audio system installation, configuration, and commissioning for two conference halls					
Total Price(Inclusive of all taxes, charges, levies, delivery, installation, commissioning, transportation, warranty support etc. and including GST)						

Note:-

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Signature of Authorized Signatory with Date and Seal

Address of the Bidder