

ANNEXURE-I

Saraswaty Press invites offer from Authorised Dealers for supply of wireless connectivity at SPL- I. The Propose OEM must be placed in Gartner's Leaders Quadrant. The OEM must have national R & D Center. The OEM must have accessible toll free number and Post sale support & Service. Bidder must submit the MAF for the proposed products.

The details are given below :

Specification for Access Point :

- ❖ Access Point radio should be minimum 2x2 MU-MIMO with 2 spatial streams or more. Dual Radio and can able to deliver 1.27Gbps aggregate throughput on dual concurrent Radio operation.
- ❖ Access Point must be 802.11ac wave 2 MU-MIMO ready from day one
- ❖ AP should have One PoE+ PD port 10/100/1000BASE-T Ethernet network Interface (RJ-45) and One Micro USB Serial Console Interface.
- ❖ 802.11 a/b/g/n/ac Wave2 functionality certified by the Wi-Fi alliance.
- ❖ Access Point should have Integrated Omni antennas (H and V polarized) gain of 2.7 dBi @ 2.4 GHz and 4.3 dBi @ 5.x GHz.
- ❖ The Max transit power of the AP + Antenna should be as per WPC norms for Outdoor Access Points. Transmit power should be configurable in increments of 0.5 dBm Should support 8x BSSID per AP radio.
- ❖ Access point should support 802.11ac beamforming for 802.11ac.
- ❖ Access Point should support Advanced cellular coexistence (ACC) feature to minimize interference
- ❖ Delivers 1.27 Gbps aggregate throughput
- ❖ Best-in-class RF management
- ❖ Built-in Bluetooth Low-Energy (BLE) radio
- ❖ Built-in Spectrum analysis.
- ❖ Support Wireless mesh.
- ❖ The access point should be capable of performing security scanning and serving clients on the same radio. It should be also capable of performing spectrum analysis and security scanning using same radio.
- ❖ Should support BPSK, QPSK, 16-QAM, 64-QAM and 256 QAM (256 QAM for 802.11ac only) modulation types
- ❖ Access point should support 802.3af/at POE standard.
- ❖ Access point can be configure as Virtual Controller and can able to adopt more than 100 Access Points. Access Point should automatically join with Master AP without any further configuration to the adopted AP.
- ❖ In case of failure of existing Virtual Controller any one of the next Access Point will become the Master Virtual Controller automatically without any manual intervention.
- ❖ Must support Proactive Key Caching and/or other methods for Fast Secure Roaming.

- ❖ AP model proposed must be able to be both a client-serving AP and a monitor-only AP for Intrusion Prevention services
- ❖ Access point must incorporate radio resource management for power, channel, coverage hole detection and performance optimization
- ❖ AP mounting kit should be with locking mechanism so that AP cannot be removed without using special tools.
- ❖ AP must have IP66- and IP67-rated protection enclosure, Should not be any external or Third party housing
- ❖ AP should support Operating Temperature: -40° C to +55° C (-40° F to +131° F)
- ❖ AP should be CB Scheme Safety, cTUVus, a,b,g,n, ac (with wave 2 features) certified.

Specification form 8Port PoE+ Switch :

Architecture:

- ❖ 8 RJ-45 autosensing 10/100/1000 PoE+ ports, IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASETX, IEEE 802.3ab Type 1000BASE-T
- ❖ Unmanaged plug-and-play Gigabit Ethernet L2 switch.
- ❖ Switch should have PoE+ power budget upto 64W
- ❖ Shall have minimum switching capacity of 16Gbps and minimum forwarding capacity of 11.5Mpps
- ❖ Shall support Quality of Service capabilities for improved network efficiency
- ❖ Shall support Operating temperature 32° F to 104° F (0° C to 40° C)
- ❖ Shall have CSA 22.2 No. 60950; EN 60950/IEC 60950; UL 60950-1 safety certification
- ❖ Switch should have Limited lifetime warranty.

Tender No. SPL-201804-0012 dated 06.04.2018

ANNEXURE- II

Saraswaty Press invites offer from Dealers for supply of LENOVO Desktop Computer, Honeywall Barcode Scanner and Android Tabs with following configuration. Dealers must submit Manufacturing Authorisation (MAF) along with quotation.

Sl No.	Description	Quantity
1	Lenovo Desktop Computer, Part No. 10R8A000IG Gen 7th KaybLake>i3-7100/4GB DDR4 (2400Mhz)/4 DIMM Slots/ 1TB/NoODD/Win10 Pro /85%Efficiency/3 Video Ports (VGA+2DP), 64 GB Expandable/ 4DIMM Slots/ Serial Port/ 6USB3.0Port& 2USB2.0Ports/ PS/2/19.5Monitor	6
2	Lenovo Laptop, Part No. 80SXA05XIH V310/180 degree Flat configuration/14" HD/i3 6006u/4GB/1TB/DVDRW/ Win10 Pro/FPR/802.11ac/Metal Hinges with 180 Flat (Coated)/HDMI/VGA/ CardReader/4Cell Li-Ion/ Backpack/ 1 Yr + 2 YR Warranty Onsite	1
3	Honeywell Barcode Scanner Model No- 1900	10
4	HP Mono Laser Printer A4, Duplex	1
5	Android Tablet PC with latest OS, 2GB RAM, with micro USB port for seamless connection with BarCode Reader and WIFI Connection for clientside Application, Screen Size- 7"	10
6	5KVA Online APC Make UPS	1
7	Monochrome Digital Printer, Paper size A3 with duplex unit, Min continuous speed 130 A4 pages/min	1

OEM or interested Bidders needs to quantify above products only after inspection for Annexure- I only. The period of inspection will be from 07/04/18 to 10/04/18 from 11.00am to 4.00pm except holidays. The company reserve the right to accept, negotiate or reject any or all offer with any vendor at its own discretion. Apply within 5 days to Asst. Manager, M & C, 11 B T Road, Kolkata - 700 056