

**Amendment No - 2**

**Tender No. HITES /PHOEC-01/20-21**

**The following amendments are incorporated:-**

**The revised TECHNICAL Specifications of the , Firewall & Access points is as follows :-**

<b>6 &gt; FIREWALL</b>	
1	The Firewall should be hardware based, reliable, purpose-built security appliance with hardened operating system that eliminates the security risks associated with general-purpose operating systems.
2	Appliance should have at multicore CPU arch. With hardnet 64 bit OS , support higher memory & should support Min 16 GB of RAM
3	Should support minimum 1.5 Gbps of NGFW & support between 1.5 million to 2.0 million concurrent sessions.
4	Should have Integrated Power Supply & Fans
5	Should have High-performance, next-gen IPS deep packet inspection engine with selective IPS patterns for maximum performance and protection. Should have ATP and Pharming Protection. Should have SPX mail encryption. Surfing quota time policies per user/group; Access time polices per user/group Second independent malware detection engine for dual scanning Fully transparent proxy for anti-malware and web-filtering; HTTP and HTTPS scanning on a per user or network policy basis with customizable rules and exceptions Enhanced application control with signatures and Layer 7 patterns for applications and E-mail scanning and Anti-Spam with SMTP, POP3, and IMAP support Should provide risk level of applications on the network; Provides visibility into top risk users, unknown applications, advanced threats and suspicious payloads. Should have WAF with reverse proxy. Reputation service with spam outbreak monitoring based on patented Recurrent-Pattern Detection technology; Malware and spam quarantines with search and filter options by date, sender, recipient, subject, and reason with option to release and delete messages Block spam and malware during the SMTP transaction and Detects phishing URLs within e-mails WAF with Reverse proxy; Form hardening engine; SQL injection protection; Cross-site scripting protection; URL hardening engine with deep-linking and directory traversal prevention Current Activity Monitoring: system health, live users, IPsec connections, remote users, live connections, wireless clients,

## **7>Access Points**

<b>Generic Requirements</b>
Access Points proposed must include radios for 2.4 GHz and 5 GHz with 802.11ac Wave 2. Access Point must have controller functionality to control minimum 15 access points on same LAN.
Must have a robust design for durability, without visible vents.
Mounting kit should be standard from OEM directly.
Must support 4x4 multiple-input multiple-output (MIMO) with four spatial streams
Must support data rates Upto 600 Mbps on 2.4GHz and 1.7Gbps on 5Ghz
Must support up to the range of 22 to 26dbm of transmit power in both 2.4Ghz and 5Ghz radios.
Must have 2 nos. of 10/100/1000 Base-T (least one with PoE/PoE+ powering ) port SSH/Telnet
Must have minimum 16 SSIDs.
Should support detecting and classifying non Wi-Fi wireless transmissions.
Should support radio resource management for power, channel, coverage hole detection and performance optimization. Must operate as a sensor for wireless IPS. Access Points must support a distributed encryption/decryption model.
Must be plenum-rated (UL2043)., Should support 802.11e and WMM.

### **SI 14> Intelligent Access Control System**

This Item is dropped / excluded from the scope of supply ., Bidder's are requested to mark "ZERO"/ NIL in the Price Bid Format.

**All other T&C of the subject tender remain the same.**

**( For HLL INFRA TECH SERVICES LIMITED**

**( Authorised Signatory)**