

## RESPONSE TO PREBID QUERIES OF RFP NO. 9927 DTD 03.08.2019

The Following Pre-bid Queries has been received and the response to this effect is detailed below:

1. Page No. 5 Point-8 : Total 5 years comprehensive Warrantee:  
It is a comprehensive warrantee ensured by the Vendor.
2. Process for Authorisation from Genetec :  
Genetec is a brand present worldwide. Bidders can get their contacts listed on their website.
3. Technical Specification:

Feature	Specification	Changes/ Clarifications after Pre-bid meeting
Hardware Architecture	24 ports 10/100/1000Base-T	
	The Switch must support USB ports for storage, support NMS	
	The equipment shall support 24*10/100/1000 Giga + 4*10GE SFP+ ports	
	The proposed Switch shall support high switching capacity of at least 128 Gbps non-blocking.	
	The proposed Switch shall support high packet transfer rate of at least 95 Mpps with 64 bytes per packet.	
Layer 2	The Switch must support up to 16K MAC address tables	
	The Switch must support Mac-based, Port-based, protocol-based, and IP subnet-based VLAN assignment	
	The Switch must support VLAN Translation	
	The Switch must support the IEEE 802.1ad (Q-in-Q) standard	
	The Switch must support at least 4K active VLAN	
	The Switch must support Private VLAN	
	The Switch must support voice VLAN or equivalent	
	The equipment must support loop detection	
	The Switch must support Jumbo Frames at least 10K bytes	

Feature	Specification	Changes/ Clarifications after Pre-bid meeting
	The equipment must support stacking feature	
	The Switch must support any ring protocol which can support less than 50ms	
	The equipment must support Port aggregation such as LACP	
Layer 3	The equipment must support static route, RIPv1/v2, OSPF	
	The equipment must support ECMP	
	The equipment must support IPv4/IPv6 dual stack	
	The equipment must support IPv6 over IPv4 tunnel, 4over6 tunnel	Removed
	The equipment must support VRRP	
	The equipment must support BFD VRRP, OSPF	Must Support BGP, VRRP & OSPF
Multicast	The equipment should support BGP	
	The equipment must support IGMP proxy	
	The equipment must support IGMP snooping	
	The equipment must support MLD snooping v1/v2	
	The equipment must support up to 1K multicast routing entries	
	The equipment must support PIM DM, PIM SM, PIM SSM	
QOS	The equipment must support IGMPv1/v2/v3	
	The equipment must support ingress and egress traffic shaping and VLAN based	
	traffic limit	
Security	The equipment must support port mirroring	
	The equipment must support bidirectional ACL	
	The equipment must support port-based ACL, VLAN-based ACL	

Feature	Specification	Changes/ Clarifications after Pre-bid meeting
	The equipment must support CPU defence	
	The equipment must support the DAI (Dynamic ARP Inspection) feature	
	The equipment must support DHCP Snooping feature	
	The equipment supports the IP Source Guard feature	
	The equipment must support port-based network access control according to IEEE 802.1x standard	
	The equipment should support MAC Authentication	
Network O&M	The equipment must support web management	
	The equipment must support SNMPv1/v2c/v3, Telnet, RMON, SSHv2	
	The equipment must support automatic configuration	
	The equipment must support usb-based deployment	

Specification For Access Level L2 Industrial PoE Switch		Changes/ Clarifications after Pre-bid meeting
Hard Ware	Number of Ethernet ports	8 x 1Giga PoE ports & 4 X1 Giga SFP ports
	Front panel Design	Front panel Cable Installation
	LED	Flat LED panel
	IP Level	IP30
	Din-Rail Mount	Support
	Wall Mount	Support
	MTBF	>250000 HR
Performance	Number of MAC Addresses	8K
	Backplane	20 Gbps
	Line Speed	1Gb/s
Power	24 VDC	24~48 VDC
	220 VAC	REMOVED
	PoE Power Budget	. 120 Watt

Specification For Access Level L2 Industrial PoE Switch			Changes/ Clarifications after Pre-bid meeting
	PoE standard		All ports are IEEE 802.3af & IEEE 802.3at
	Power Consumption		15~140 watt Depend upon the PD load
	Dual power input		Support
Temperature Range	Operating Temp.		-10 ~ 75°C
	Storage Temp.		-20 ~ 85°C
	Humidity		10~95%, Non Condensing
Redundant Function	High Speed Redundant Ring		Protected Ring
	Redundancy Protocol		RSTP/STP/MSTP/Protected Ring
	Daisy Chain		Support
	Balancing Chain		Support
	Ring Coupling		Support
	Dual-Ring		Support
Operating Interface	Dual-Homing		Support
	Web interface		Support
	Internet Explorer		Support
	Telnet interface		Support
	RS232 Console		Support
	RS232 Console Type	CLI	Removed
	CLI	Support	Removed
	Windows Utility		Windows Utility
	SNMP		SNMP V1/V2C/V3
RMON		RMON 1, 2, 3, 9	
Software Functions	STP		Support
	RSTP		Support
	MSTP		Support
	IPv6		Support
	LLDP		Support
	SNMP V1/V2C/V3		SNMP V1/V2C/V3
	Industrial Protocols Supported		Profinet, Modbus/TCP
	RMON		Support
	SNMP Inform		Support
	Port Mirror		Support
	VLAN/GVRP		Support
	Rate Limiting		Support
	ACL		Removed
	VCL		Removed

Specification For Access Level L2 Industrial PoE Switch		Changes/ Clarifications after Pre-bid meeting
	QCL	Removed
	MLD	Support
	LACP	Support
	Static Port Trunk	Support
	IGMP Snooping/GVRP	Support
	RADIUS/IEEE 802.1X	Support
	Broadcast storm protection	Support
	Multicast/Unicast storm port	Support
	QoS (CoS/ToS/Diffserv)	Support
	Https/SSL	Support
	SSH	Support
	Ping Command	Support
	BOOTP/DHCP	Support
	DHCP Option 82	Support
	Line-swap fast recovery	Support
	Set Device IP	Support
	Port Lock	Support
	Accessible IP address	Support
	Loop protection	Support
Upgrade Software Functions	RS232 Console , RJ45 and Mini USB upgrade	Support
	Web Browser upgrade	Support
Alarm	E-mail Alarm	Support
	Relay Out (Digital Output)	Support
	SNMP Trap	Support
	SNMP Inform	Support
	Event Trigger	Support
	Event Log	Support

Memo No. 10329 Date 17/08/19  
Copy to MIS to hoist in the Website.

  
 Commissioner  
 Berhampur Municipal Corporation  
  
  
 Commissioner  
 Berhampur Municipal Corporation