SHREE JAGANNATH TEMPLE OFFICE, PURI

Quotation Call Notice

No. 156355   Dt. 13-12 23

Sealed quotation in prescribed schedule are invited from the Registered Firms/Suppliers/Dealers having valid TIN/SRIN number with GST Registration Certificate for the work " Supplying, Installation, Testing & Commissioning of WLAN along with Operation and maintenance (for one year on free of cost) at four numbers of Guest Houses of SJTA, Puri (Shree Gundicha Bhakta Niwas, Neeladri Bhakta Niwas, Neelachal Bhakta Niwas and Purushottam Bhakta Niwas)   with an estimated cost of Rs.9,00,486/- (Rupees Nine lakh four hundred eighty six) only.

The quotation Schedule can be obtained from the Temple Office during office hours upto 1 PM on or before 26.12.2023 on production of PAN card /GST clearance certificate after depositing Rs. 4000/- + 18% GST in shape of D.D. in favour of Chief Administrator Puri towards cost of quotation schedule which is non refundable.
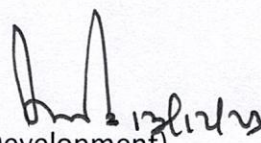
The quotation should be properly sealed, dully filled in, signed and submitted along with the photo copy of valid PAN card /GST clearance certificate and EMD 1% of the quoted price in shape of NSC/KVP/POTD/POSBA/TD or Bank Guarantee from any Nationalised Bank dropped in the tender box of Temple Office/submitted by Regd. Post / Speed Post so as to reach on or before 26/12/2023 up to 4 P.M and the quotations will be opened on the same day at 5P.M in the presence of the Quotationers or their authorized representative . The final selection will be made on the basis of the lowest price offered by the Firms/Dealers/Suppliers subject to fulfilment of other conditions.

The undersigned is not bound to accept the lowest rate and reserves the right to reject any or all quotations without assigning any reason thereof. The decision of the Administrator in this matter will be final.

Terms and Conditions

1. Final delivery ,commissioning and installation of the items in good condition within 2 months from the date of issue of the work order failing which the work order will be rejected.
2. Price must be inclusive of all taxes

3. 90% of the final tender value will be paid to the lowest bidder after successful installation of all cameras and all equipment. 10% of the final bidding value as caution money which will be released after successful completion of warranty period.
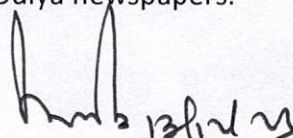
4. The successful bidder must attend the complaint within 24 hours of receiving the complaint., failing which caution money will be forfeited.

5. OEM should be ISO 9001:2015 and ISO 14001:2015
6. Active & Passive OEM should have local sales representative and service centre at end customer state for better & intime service support.
7. OEM should be a Company registered in India under the Indian Companies Act.
8. All copper & Fiber cable and component, all switch, and Transceiver from single OEM for better compatibility & easy management.
9. Bid specific OEM Authorization need to submit.
10. OEM Authorised Certificate is Mandatory

OSD (Development)
Shree Jagannath Temple, Puri

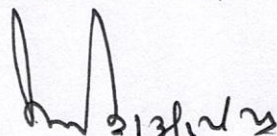Memo No. 15656 (5)   Date 13 12 23

Copy forwarded to PRO/Computer programmer/ Asst. Manager (IT)/ Account Section/Office Notice Board, Shree Jagannath Temple, Puri for information and necessary action. Computer programmer in is here by directed to host the same in Shree Jagannath Temple Website . PRO is directed to publish the tender in Two Odiya newspapers.

OSD (Development)
Shree Jagannath Temple, Puri

Memo No. 15657 (5)   Date 13 . 12 23

Copy submitted to Collector & DM District, Puri /Superintendent of Police,Puri/ Superintending Engineer Puri (R&B) Division/ Executive Officer, Puri Municipality/Secretary,PKDA for information and wide circulation.

OSD (Development)
Shree Jagannath Temple, Puri

SCHEDULE OF QUANTITIES & TECHNICAL SPECIFICATION

Sl. No.	Major Components	Minimum Specifications	Unit	Gundicha Bhakta Niwas (Qty)	Purushottam Bhakta Niwas (Qty)	Nilachal Bhakta Niwas (Qty)	Neeladri Bhakta Niwas (Qty)	Total Qty	Unit Price	Total Cost (INR)
1	Wireless AP	Make: D-Link/Dogisol/Tenda	Nos	42	40	32	40	154		
2	WLAN Controller	Make: D-Link/Dogisol/Tenda	Nos	1	1	1	1	4		
3	Industrial grade . 4 port Giga POE Network Switch	Make: Hikvision/Dogisol/Dlink	Nos	-	5	8	2	15		
4	Industrial grade . 8 port Giga POE Network Switch	Make: Hikvision/Dogisol/Dlink	Nos	7	3	-	5	15		
5	RJ 45 Connector	Make: D-Link/Digisol RJ 45 Connector	Nos	100	100	80	100	380		
6	4U Rack	Make: D-Link/Digisole	Nos	7	8	8	6	29		
7	CAT6	Make:D-Link/Digisol/Hikvision Cat6 Cable	Mtrs	915	915	610	915	3355		
8	CAT6 UTP Patch Cord	Make: D-Link/Digisole	Nos	42	40	32	40	154		
9	Surface Mount	Make: D-Link/Digisole	Nos	42	40	32	40	154		
10	Cable Wiring with PVC Pipe	Cable Wiring with PVC Havy Duty Pipe , with installation and commissioning along with Electrical wiring.	Mtrs	300	300	300	300	1200		
11	AP Installation Charges		Nos	42	40	32	40	154		
	Warranty Period	(a) 1st Year (Nil)								
		(b) 2nd Year Rs.								
		(3) 3rd Year Rs.								
							TOTAL			

Total Quotated amount (Including GST)= Rs. ....

Amount in words (.....................................)

Signature of the Agency

Approved

OSD (Development)
Shree Jagannath Temple Office , Puri

RJ 45 CONNECTOR

SR.#	SPECIFICATION / QUALITATIVE REQUIREMENT	COMPLIANCE (YES/NO)	REMARK
1	RJ-45 modular plugs for Local Area Network (LAN) and computer Applications, Suitable for Cat 6 Solid or Stranded cable, 3-Prong Design for accurate termination		
2	Current Rating : 250V AC max, at 2A		
3	Dielectric withstanding : 1000V DC/min, <0.5A		
4	Insulation Resistance : >500MΩ, 1000V DC/min.		
5	Contact Resistance : <20 MΩ		
6	Cable to plug tensile strength: 20lbs(89N)min		
7	Durability : above 750 mating cycles		
8	Temperature for operation : -40°C to +125°C		
9	Housing material : Polycarbonate UL94V-0		
10	Gold plating thickness : Gold flash 3MU"		
11	RoHS compliant		

TENDER SPECIFICATION FOR SOLID CABLE CATEGORY 6 UTP FR-PVC

SR. NO.	SPECIFICATION / QUALITATIVE REQUIREMENT	COMPLIANCE (YES/NO)	REMARK
1	The 4 pair Unshielded Twisted Pair cable shall be UL® Listed and ETL verified		
2	This cable well exceeds the requirements of ANSI/TIA-568-C.2 and ISO/IEC 11801 Class E		
3	Nominal Outer Diameter of Cable should be 5.8 ± 0.2 mm and Conductor Diameter 23 AWG		
4	Construction: 4 twisted pairs separated by internal PE Cross Separator. Full separator. Half shall not be accepted. Rip Cord is must.		
5	Conductor: Solid bare Copper, Outer jacket sheath: FRPVC with UL approved CM/CMR rated cable. Jacket color: Grey		
6	Insulation Material: High Density Polyethylene (HDPE) with Insulation Diameter : 0.89 ± 0.01 mm		
7	Dielectric Strength of cable should be 2.5 KVDC for 2 seconds		
8	Bending Radius : < 4X Cable Diameter at -20°C ± 1°C Pulling Force: 25.35 lbs		
9	Electrical Parameters: Insertion loss (Attenuation), NEXT, PSNEXT, ELFEXT (ACRF), PSELFEXT (PSACRF), Return Loss, ACR and PS ACR.		
10	Insertion Loss of 32.8 db/100m at 250 MHz		
11	Cable should support operating temperature from -20° to +70°C		
12	Cable support Conductor Resistance ≤ 9.38 Ω/100m Max.		
13	Mutual Capacitance of cable should be < 5.6 nF/100m Max.		
14	Resistance Unbalance of cable should be 5% Max.		
15	Capacitance Unbalance of cable should Max. 330 pF/100m		
16	Cable support Delay Skew: < 45 ns/100m, Operating Voltage: 72V		
17	Nominal Voltage of Propagation (NVP): 69% and Current Rating: 1.5 A Max.		
18	Impedance: 100 ± 15 Ω @100 MHz. and Propagation Delay @250 MHz : 536 ns/100m		
19	ETL Verified 4-Connector Channel performance certificate		
20	RoHS Compliant		
21	Printed sequential Length Counter of each meter on Outer Jacket		
22	Category 6 UTP cables shall Supports Gigabit Ethernet (1000 base-T) standard and Operates at bandwidth of 250MHz		

TENDER SPECIFICATION FOR CAT6 UTP PATCHCORD

SR. NO.	SPECIFICATION / QUALITATIVE REQUIREMENT	COMPLIANCE (YES/NO)	REMARK
1	Category 6 patch cords with four pair twisted stranded copper wire cable terminated with RJ45 modular plugs at both the ends.		
2	Patch Cords 100% factory tested for better quality and suitable for the high speed data transmission.		
3	Complies with the ANSI/TIA/EIA-568-C.2, ISO/IEC 11801, RoHS compliant Standard. Supports Data Networks Speeds Up to 10/100-Base-T and 1000-Base-T.		
4	Patch cord with LSZH jacket to reduced toxic/corrosive gasses emitted during combustion		
5	Transparent modular plugs with transparent slip on boot and cable assemblies		
6	T568B wiring scheme crimped at both connector ends.		
7	Available in different colors and different length on request		
8	Patch cord conductor: 24 AWG, Stranded copper wires, Insulation : HDPE		
9	Connector Plug: 30µ" Gold plated contact, Phosphor Bronze base material		
10	Jacket Diameter : 5.8 ± 0.1mm		
11	Plug Insertion/Extraction Life: 750 Cycles min. using FCC approved plug		
12	Plug & Jack Contact Force : 100 Grams min. using FCC approved plug		
13	Plug Retention Force : 11 lbf min.		
14	Current Rating: 1.5 amps, Voltage Rating: 72 Vdc max.		
14	Insulation Resistance : 500MΩ min, Contact Resistance : 20mΩ max, DC Resistance: 0.1Ω max.		
15	ETL Verified 4-Connector Channel performance certificate		
16	Operating Temperature : -20 °C to +70° C Installation Temperature : -20 °C to +70° C		

SURFACE MOUNT BOX (SMB)

SR.#	SPECIFICATION / QUALITATIVE REQUIREMENT	COMPLIANCE (YES/NO)	REMARK
1	Should have Robust and installer friendly design Surface Mount Boxes for Face Plates for a variety of media including voice and data, Audio, video and CATV distribution to the work area.		
2	Should secure and protect wire with durable wall box		
3	Material : ABS		
4	Shape : Square Size : 86 x 86		
5	Color : White		

8 Port Layer 2 Web Managed Gigabit Ethernet PoE Switch with 4 Gigabit Combo (RJ45/SFP) Ports

Sl No		Specification	Compliance (Yes/No)	Remarks
1	Physical Ports	8x 10/100/1000 Mbps Rj45 PoE+ Ethernet Ports with 4 Gigabit Combo (RJ-45/SFP) Ports		
2	Switching Capacity	24 Gbps		
3	Forwarding Capacity	17.86 Mpps		
4	Flash	128 Mbit		
5	DRAM	128 Mbit		
6	CPU	RTL 8382M		
7	Packet buffer memory	4.1Mbit		
8	Operating Humidity	10% ~ 90% non-condensing		
9	Temperature	0°C -40°C		
10	Power supply	AC Power: 100 to 240 V, 50-60 Hz and 6Kv input Surge Protector		
11	PoE Power Budget	140 Watt, Support IEEE802.3af and IEEE802.3at standard		
12	LED Indicators	Power, Link/Act		
13	Forwarding Mode	Store and Forward		
14	MAC Address Table	8K		
15	Max. Jumbo Frame size	10K		
16	L2 Features	Switch should support Auto-Negotiation for port speed and duplex mode		
		Switch should support STP / RSTP / MSTP		
		Switch should support Loopback Detection		
		Switch should support BPDU Filter and BPDU Guard		
		Switch should support LLDP, MVR		
		Switch should support IGMP v2/v3 Snooping: IGMP Querier, Immediate Leave		
		Switch should support 256 IEEE 802.1q tag based VLAN with 4K VLAN ID		
		Switch should support MAC Based VLAN, Voice VLAN, Guest VLAN, Management VLAN		
		Switch should support LACP: 8 Groups, 8 Ports/Group and static trunk		
17	QoS Features	Switch should support Each port supports 8 queues		
		Switch should support Queueing Mechanism: SP and WRR		
		Switch should support Flow Control		

		Switch should support Classifications based on - COS, COS DSCP, IP Precedence		
		Switch Each port supports 8 queues		
18	Security	Switch should support MAC address Binding		
		Switch should support broadcast/Multicast/Unicast storm control		
		Switch should support IP and MAC ACL (Ipv4)		
		Switch should support RADIUS, 802.1x based Authentication		
		Switch should support Port Security, Protected Port		
		Switch should support DOS		
		Switch should support Management ACL		
		Switch should support DHCP Snooping, DHCP Snooping option 82, IP Source Guard, IP-MAC-Port-VLAN Binding		
19	Management	Switch should support Port Mirroring		
		Switch should support traffic statistics		
		Switch should support Provide IPv4 Web-based management		
		Switch should support IPv4 DHCP Client		
		Switch should support Configuration Backup and Recovery		
		Switch should support Dual firmware images and Configuration files		
		Switch should support Error Disabled, Bandwidth Utilization		
		Switch should support SNMP v1/v2c/v3 and Remote Server		
		Switch should support Telnet, SSH, HTTP, HHTPS		
		Switch should support RMON, SNTP		
		Switch should support EEE, Port Statistics		
		Switch should support Ping, Traceroute		
		Hardware Factory Reset button		
20	Country of Origin	India		
21	Warranty	3 Years		

Layer 2 switch 4 PoE Ports and 2 Gigabit uplink ports

SL no		Technical Specification	Compliance (Yes/No)	Remarks (If Any)
1	Hardware Configuration	Switch should support 4 PoE Gigabit ports + 1 10/100/1000 Base-T uplink +1 Gigabit SFP uplink port		
		Switch should support Light on: Powering		
		Switch should support Light off: No Power		
		Switch should support VLAN Indicator		
		Switch should support Green light on: VLAN mode		
		Switch should support Light off: Normal mode		
		Switch should support Port 1-6 indicator		
		Switch should support Light off: Link is disconnected		
		Switch should support Red light on: Powering but data disconnected		
		Switch should support Light flash quickly: Data Transmitting		
2	Standard	Switch should support Network Protocol: IEEE802.3/802.3u/ 802.3x/ 802.3ab/ 802.3az		
3	Performance	Switch should support Switching Capacity: 12Gbps Full duplex		
		Switch should support Packet Forwarding Rate: 14.88Mpps/port		
		Switch should support Forwarding Mode: Store-and-forward		
		Switch should support MAC Address Table: 2K		
		Switch should support Supports Vlan Mode		
4	Power Over Ethernet	Switch should support PoE Standard: IEEE802.3af,IEEE802.3at		
		Switch should support PoE Power Supply 1/2/4/5(+), 3/6/7/8(-)		
		Switch should support Transmission Distance: 0~250m/10Mbps, 0~100m/1000Mbps		
		Switch should support PoE Feature All ports support MDI/MDIX		
5	General	Switch should support Power Source: Bult-in Power Supply		

		Switch should support Input: 110-240V AC, 50/60Hz		
		Switch should support PoE Power Budget: 78W		
		Switch should support Operating Temperature: -0°C-55°C		
		Switch should support Humidity: 20%-95% , non-condensing		
		Switch should support Storage Temperature: -20°C-70°C		
		Switch should support Weight: 1Kg		
6	Warranty	3 Years		

Wireless Access Point

	Technical Specification	Indoor Access Point
1	Chipset	Mediatek
2	Mounting	Ceiling / Wall
3	Antenna Type	Internal
4	Number Of Radios	2
5	Frequency Band	Dual band
6	Supported Wi-fi Standards	802.11a/b/g/n/ac/ax
7	Max Wireless Signal Range im Mts	30
8	Channel Width (MHz)	80 MHZ
9	Maximum Data Rate MBps	1800
10	Supported Encryption	WEP/WPA2/AES/WPA3
11	Receiver Sensitivity in db	-94
12	Transmit power (tx)(dBm)	<20 dbm
13	Mode : AP / Router / Repeater / WISP	YES
14	Radio Resource Management such for power channel,coverage hole detection and performance optimization	Available
15	Support for Load Balancing between 2-4 Ghz and 5 Ghz (Via Controller)	Available
16	Support for Configurable Carrier Threshold	Available
17	Device Management	Available
18	Support for QoS for Voice over Wireless	Available
19	Support for MIMO	MIMO
20	Number of MIMO supported & Spatial Streams (Per band)	2X2:2
21	Number of WLAN (SSID) per AP	8
22	Maximum clients Nos	100
23	Support for Autonomous access- point option	Available
24	Number of 10/100/1000 port	2
25	Support for Beam forming	Available
26	Operate as a sensor for wireless IPS	Available
27	Support for QoS and Video Call Admission Control capabilities	Available
28	Support for Rogue access point detection	Available
29	Support for Wireless Intrusion Protection System	Available
30	WPC certified	Available

Wireless Access Point

31	Support non-Wi-Fi detection for off-channel rogues and Containment for both radio while serving the client simultaneously	Available
32	Powering options (Such as AC/DC, 802/3af PoE, 802/3at PoE+), specify	DC + 802.3at PoE
33	Operating Temperature Range (Degree C)	0 ~ 40 DEG CEL
34	Operating Humidity (%RH)	0%~90%
35	Weight (grams)	<1000
36	OEM Warranty (Years)	3
37	Ingress Protection	IP31
38	FIT / FAT Mode'	YES
39	Modes Supported	AP + Router
40	TWT / MU-MIMO / OFDMA	TWT / MU-MIMO / OFDMA
41	WAVE 2 WAVE 1	Wave 2
42	QAM Modulation	1024

Wireless LAN Controller Technical Specifications:-

Protocol	IEEE 802.3, 802.3u, 802.3ab
	TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP, HTTP, DDNS, IPsec, PPTP, L2TP, CAPWAP Protocol
CPU	MT7621
DDR	256M
Flash	16M
Heat Dissipate	Super silent ball fan
Ports	4 × 10/100/1000Mbps LAN ports (can set to WAN port)
	1 × 10/100/1000Mbps WAN port
Power	AC:100-240V,50HZ
Dimension	440mm*240mm*44mm
Working Temperature	-20°C~55°C
Storage Temperature	-40°C ~ 70°C
Working Humidity	5% ~ 97%RH (No condensation)
Firmware features	
AP Management	Max to access and manage 128 users
	Max to manage 128PCS wireless AP
	Centrally and remotely to manage/configure wireless AP
	View user's status
Smart Flow Control	One click smart flow control
	Powerful multiline diversion
	Application Priority Automatically
Load Balance	Multiple WAN, multiple ISP network access
	Intelligence load balance
	Ethernet line backup
	Ethernet Superimposed
	Policy routing: based on IP address, destination IP address, source MAC address, network port, domain, destination port, Extranet port, Identity binding
	Protocol binding
Routing	Static Routing
Behavior Management	All-round to block P2P firmware
	P2P flow control and bandwidth allot
	File and URL filter
	Monitor network behavior at all times
Bandwidth limitation	IP-based bandwidth limitation
	Safeguard / Restrict bandwidth
	Time strategy
	IP based session restriction

Security Center	MAC address filter	
	UPR/key words filter	
	Web content filter	
	IP address filter	
	Port mapping	
	DMZ	
Defense Center	TCP/UDP/ICMP flood defense	
	Block TCP scanning	
	Block ping WAN port	
ARP Detection	Send GARP packets	
	ARP Scanning on WAN/LAN port	
	Online detection	
	IP-MAC binding	
Authentication	PPPoE authentication	
	WEB password authentication	
	Radius authentication: work with the 3rd party radius server	
Management	Web/CLI/Telnet management	
	Remote management	
Others	DDNS, VPN management	