BERHAMPUR MUNICIPAL CORPORATION

QUOTATION CALL NOTICE

No. __11602__ /

Date : 31-12-2024

The Berhampur Municipal Corporation invites sealed Quotation from registered Agencies/ firms from Odisha through Regd. Post/ Speed Post in two bid system for **"Setting up eLibrary in Municipal Library at State Bank Road"**.

The Start and end date of sale of Quotation from __31/12/24__ to __09/01/25__ . Physical Quotation should reach to the undersigned on or before __09/01/25__ by 5:00 PM and will be opened on __10/01/25__ at 11:30 AM in the office chamber of the undersigned in presence of the quotationer or their authorised agents who intends to attend. The rate to be quoted shall be inclusive of Installation, handling and transportation / delivery charges (Excluding GST)). No extra cost on any account whatsoever will be admissible. Conditional quotations will be rejected immediately.

The Technical and Financial Bid should be submitted in two different Cover Superscribing as TECHNICAL DOCUMENTS and FINANCE DOCUMENTS respectively and put in a Single cover superscribing **"TENDER DOCUMENTS FOR SETTING UP E-LIBRARY IN MUNICIPAL LIBRARY AT STATE BANK ROAD"** The rate should be written clearly and legibly without any error or overwriting and both in figures and in words. In case of difference or rates or any ambiguity over rates, then the rates written in words will be taken into consideration.

Prequalification for Technical Evaluation:

Each bidder should furnish the following documents with the Technical Bid.

1. Bid Cost of Rs. 7080/- (non-refundable) in shape of DD in favour of Commissioner, Berhampur Municipal Corporation.
2. EMD of Rs. 15,000/- in shape of DD in favour of Commissioner, Berhampur Municipal Corporation.
3. Bidder should have OEM Authorisation specific to this Tender.
4. GST Regn.
5. PAN Card.
6. Bidder should have local registration, supporting documents should be submitted.
7. Bidder must have 1cr minimum average turnover in last 3 FY 2021-22,2022-23 and 2023-24 with ITR and last 2 months GSTR return copy attached. Turnover certificate on CA letterhead.
8. The Product Compliance sheet must be on OEM Letterhead with the company seal & signed by the local Partner Business Manager.
9. Workstation OEM must have Leading ISV Vendors certification, Certifications Window OS and Linux Certification, EPEAT Gold India Registered, Energy Star, WEEE, TCO 8.0 certification for Monitor, Energy star 7.1, EPEAT Certified, ROHS and UL certificate,ISO 9001,14001, ISO 20001, ISO 27001 for OEM. OEM should be present in the TOP 3 No's as per latest IDC report
10. Zero client OEM must have FCC Class A&B, CE, CCC, RoHS compliant, BIS, NOM, ISO 9001:2015, ISO 14001:2015.
11. Warranty certificate and OS must be preloaded declaration of the product must be notarised attested by the concern authority.
12. The bidder must have a registered office in the state of the Consignee location for faster and better Service, Support, and Documentary Proof to be uploaded along with the BID Documents
13. Workstation OEM must have at least 5 to 6 service centre in Odisha.

14. UPS OEM must have ISO 9001, ISO 14001, ISO 45001: 2018, ISO 50001:2018, ISO 14064-1:2018,ISO 27001,TL 9000.
15. For furniture ISO 9001,14001,22000,31000,41001,27000,HSE,IMS,21000,SEFA,GREEN GUARD, FCC,CE,ROHS,BIFMA,AIOTA.
16. Bidder should work with Govt. in similar nature along with copy of previous orders and credentials issued by any Govt. Office/ Organisation in favour of him/her/them.
17. Undertaking for non blacklisted from any govt/psu on letterhead.
18. Bidder should submit the Catalogue for the Products quoted.
19. All documents should be ink signed stamp properly.

The sealed quotations should be superscribed on the cover as **"TENDER DOCUMENTS FOR SETTING UP E-LIBRARY IN MUNICIPAL LIBRARY AT STATE BANK ROAD"**. Further clarifications can be obtained from this office. The undersigned reserves the right to accept or reject any quotation without assigning any reason thereof.

The Specification detailed below:

SI. No.	Features	1. Technical Specification of Workstation
		Required Specification
1	Processor Type	Intel Core i9-14900K processor (32MB Cache, 24 Core, 2.4 GHz to 5.8 GHz (125W) with Vpro technology or better
2	Processor Core Count	24
3	Processor Thread Count	32
4	Processor Max Speed	4.4 GHz to 5.8GHz
5	Processor Cache	32MB
6	Operating System	Preloaded Windows 11 Pro 64-Bit Down gradable Windows 10 Professional (Should be verified by the OEM), All drivers required for proper integration of components should be supplied by the vendor. All latest drivers should be available to download from vendor's website. System should support for Red Hat® Enterprise Linux Desktop 8.3 or Higher
7	RAM	32 GB DDR5 nECC Memory & speed should be 4800MHz or better 4 DIMM slots, supporting up to 128 GB ECC / nECC DDR5 4800 MT/s
8	Network Port	One RJ45 Ethernet port, 10/100/1000 Mhz
9	USB ports	Front : 2 X 2 Type-A SuperSpeed USB 5 Gbps signalling rate port , 2 x 2 Type-A SuperSpeed USB 10Gbps signalling rate port 1 x USB3.1 Gen2 Type-C Charging & Data Port , Rear : 4 x USB 3.0 ports, 2 x USB 2.0 ports,
10	Audio port	• Front: Universal audio jack • Rear: Line-out audio port
11	Video port	• Two DisplayPort 1.4 (HBR2) ports • One Optional video port (HDMI 2.0/ DisplayPort 1.4(HBR3)/ VGA/ USB Type-C with DisplayPort Alt mode)
12	Media-card reader	One SD-card slot
13	Storage Configuration	This configuration enables boot on M.2 NVMe SSD with up to three additional NVMe SSDs, one 2.5" SATA HDD and up to three additional SATA HDDs.
14	HDD	1 X M.2 2230 1TB PCIe NVMe Gen3 x4 Class 35 Solid State Drive and 2TB SSD
15	Audio	High-Definition Integrated Audio with Internal speaker.
16	Power Supply	Minimum 700-Watt internal power supply unit, 92% Efficient PSU, 80

			Plus Platinum
17	Power supply connector		• Two 4 pin connectors for processor • One 8 pin connector for system board • Two 6 pin and two 2 + 6 pin connectors for graphic card
18	Integrated graphics		Intel UHD Graphics 770
19	Discrete Graphics		Optional Maximum 24GB Graphics Card in future
20	Security		Trusted Platform Module (TPM) 2.0 Chassis intrusion switch BIOS controlled electro-mechanical internal chassis lock for the system.
21	Network Interface		Integrated Intel I219LM GbE Controller with Intel vPro with Intel AMT 12.0 support
22	Keyboard & Mouse		Keyboard with USB interface, Optical Mouse
23	Monitor		Display Type: LED-backlit LCD monitor / TFT active matrix Diagonal Size: 22"inch Built-in Devices: 1 DisplayPort 1.2 in (with HDCP support), 1 HDMI 1.4 (with HDCP support), 1 VGA Panel Type: IPS Contrast Ratio: 1000:1 static Resolution: Full HD (1080p) 1920 x 1080 Brightness: 250 nits Panel Features: Low blue light, flicker free Colour Support: 16.7 million colours Viewing Angle: 178 (Horizontal and Vertical) Certificate: ENERGY STAR® 8.0, EPEAT,TCO
24	Other Important Features		OEM Optimizing software for Workstation Support Assist OS Recovery Tool Power Management Software serviceable dust filter for avoid workstation failures due to dust complete Offline Diagnostics and Asset Discovery software suite. The tuning software should have modules for resource monitoring over a long period of time. Hardware or Software based Remote Collaboration System.
25	Certification		Leading ISV Vendors certification, Certifications Window OS and Linux Certification, EPEAT Gold India Registered, Energy Star, WEEE, TCO 8.0 certification for Monitor, Energy star 7.1, EPEAT Certified, ROHS and UL certificate
26	OEM Certification		ISO 9001,14001, ISO 20001, ISO 27001 for OEM. OEM should be present in the TOP 3 No's as per latest IDC report
27	Warranty		3 Years Onsite by OEM

2. Technical Specification of Zero Client

Configuration Methods		Host side & Client side
Display Interfaces		VGA
Thin Client RAM & Processor Speed		4GB, 1.2GHz
Networking	Ethernet	10/100 Mbps
I/O	Display	1×VGA
	USB	4×USB 2.0
	Network	1×RJ45
	Audio	1×microphone jack, 1×speaker jack
	Power	1×5V DC
	Switch	1× power/reset switch
Power consumption		5W
Resolution		Normal display resolutions (32 bits @ 60Hz): 640×480, 800×600, 1024×768, 1280×1024, and 1600×1200
		Wide display resolutions (32 bits @ 60Hz): 1360×768, 1366×768, 1440×900, 1600×900,1680×1050, and 1920×1080
Audio		16 bits, 44.1Khz/ 48Khz audio input / output via 3.5mm stereo jacks.
Video Rendering	Host side	Full HD 1080p for all media formats (for local and web-embedded videos on most media players)
	Client side	for local videos on VLC player 2.1.5 or newer versions
Supported USB Peripherals		Storage Devices, USB Hubs, Single, Multi-functional & Dot Matrix Printers, Smart Card Reader, Office & POS Scanners, Multi Touch Screens, Webcam, Ukeys, Parallel to USB Convertors, etc; An external power supply may be required for devices working on large voltage.
Maximum number of users per shared host		Server Management suits permits up to 99 users per shared host. Actual number of supported users depends on the host configuration and the type of applications used.
Internal hardware		All solid-state design. No moving parts, no fans, no local user storage.
Data Security		No local data storage on device. USB data access controlled by user policy.
Environmental		0 to 40 degrees Celsius 10 to 85% relative humidity (non-condensing) No moving parts permits use in high dust / particulate / vibration environments.
Reliability		>100,000 h
Additional Feature		1. Desktop Broadcasting 2. Stoarge configuration 3. Monitoring controlling 4. Internal communication 5. Behavior Tracking 6. IP Virtualization 7. Broad USB peripherals Support 8. Lifetime vConnect software subscription 8. Open VPN
Certifications		FCC Class A&B, CE, CCC, RoHS compliant, BIS, NOM, ISO 9001:2015, ISO 14001:2015

User Software	Management Software: Server Management suits with Dynamic Desktop Protocol. Lifetime free license	
Supported Operating System	Microsoft Windows 10 & 11 (excluding Starter, Home Basic and Insider)	
	Server 2012, 2012R2, 2016,2019, 2022, Multipoint Server 2011, 2012	
Warranty	3 year replacement warranty including power adaptor	

3. Technical Specification for Display

Display area (metric)	43.2 x 23.97 cm
Aspect ratio	16:9
Resolution	1600 x 900 resolution or higher
Resolutions supported	1024 x 768; 1280 x 1024; 1280 x 800; 1366 x 768; 1440 x 900; 1600 x 900; 640 x 480; 720 x 400; 800 x 600
Pixel pitch	0.27 mm
Brightness	200 cd/m²
Contrast ratio	10000000:1 dynamic; 600:1 static
Response time	5ms
Display scan frequency (horizontal)	Up to 70 kHz
Display scan frequency (vertical)	Up to 60 Hz
Display colors	Up to 16.7 million colors supported (through FRC technology)
Display features	Anti-glare; LED backlights
Warranty	3year
Keyboard and Mouse	USB optical Keyboard and Mouse

Technical Specification of 5 KVA Online UPS.

Sl.No.		Minimum Technical Specifications	
1	Capacity (in kVA / kW)	5 kVA/5 kW 1-Phase Input / 1-Phase Output IGBT based UPS Systems	
2	Input Voltage Range	175 ~280VAC (Full Load)	
3	Nominal Input Frequency	40- 70Hz	
4	Nominal Output voltage	200/208/220/230/240 VAC	
5	O/P Voltage	O/P Voltage at 200V also.	
6	Inbuilt Battery Charger	Min.8 Amp	
7	Efficiency	Min 95%	
8	LCD Display	Require	
9	VAH Require for 240min.	Min.26400 VAH	
10	Battery Bank Voltage	192 VDC or more.	
11	Protection	IP-20	
12	USB Port should be available	Yes	
13	RS232, REPO Port should be available	Yes	
14	Operating Temp	0-40*C	
15	ECO Mode should be available	Yes	
16	Manufacturer	QMS: As per ISO 9001: 2008	
		EMS: As per ISO 14001: 2004	

Sl No			
			ISO 45001: 2018, ISO 50001:2018, ISO 14064-1:2018,ISO 27001,TL 9000
17	Product Safety Certifications		CE,Rohs
18	3 Year Comprehensive Waranty		

Layer 2Full Managed Switch 24 Port 10/100/1000BaseT with 4 x 1Gig SFP ports

Sl No		Specification
1	Physical Ports	24 x10/100/1000BaseT with 4 with 1Gig SFP Port
2	Management Port	1 x RJ 45 Console port
3	Switching Capacity	56 Gbps
4	Throughput	41.7 Mpps
5	Flash	SPI FLASH 32MB
6	RAM	128MB
7	CPU	700MHZ
8	MAC Address	16K
9	Jumbo Frame	10K
10	Packet Buffer Memory	1.5 MB
11	ACL Table	Max 2K
12	Relative Humidity	5%~95% non-condensing
13	Temperature	Working 0°C~50°C, storage -40°C~70°C
14	Power Supply	AC: 100~240VAC
15	L2 Features	Switch should support Port-based VLAN, IEEE802.1Q,Private VLAN, Protocol VLAN, Voice VLAN, MAC VLAN
		Switch should support Q-in-Q, Selective QinQ, Flexible QinQ
		Switch should support VLAN Translation, N:1 VLAN Translation
		Switch should support IEEEE802.1d (STP), IEEEE802.1w(RSTP), IEEEE802.1s(MSTP)
		Switch should support Root Guard, BPDU Guard, BPDU Forwarding
		Switch should support LACP :16 groups / 8 ports
		Switch should support MRRP
		Switch should support Loopback Detection
		Switch should support Fast Link
16	QoS Features	Switch should support 8 Queue Per Port, Bandwidth Control and Flow Redirect
		Switch should support Classification Based on ACL, VLAN ID, COS, TOS, DSCP
		Switch should support Policy Based on Port & VLAN
		Switch should support Remark DSCP, COS/ 802.1p, Precedence, TOS
		Switch should support SP, SWRR, DWRR
17	Security	Switch should support Match the IP fragmentation of message
		Switch should support Time Range ACL
		Switch should support IP ACL, MAC ACL, MAC-IP ACL, User-Defined ACL
		Switch should support ACL on VLAN interface
		Switch should support Storm Control based on packets & bytes
		Switch should support Port Security, MAC Limit based on VLAN and Port
		Switch should support Anti-ARP-Spoofing, Anti-ARPScan, ARP Binding
		Switch should support ND Snooping and Dynamic ARP Inspection

SI No			
		(DAI)	
		Switch should support IEEE 802.1x	
		Switch should support Authentication, Authorization, Accounting	
		Switch should support Radius & TACACS+	
18	Multicast Features	Switch should support IGMP Snooping (V1,v2,v3), IGMP Fast Leave, MLD v1/ v2 Snooping and MVR	
19	DHCP	Switch should support DHCP Server, DHCP Client, DHCP Relay, DHCP Snooping	
20	Network Management	Switch should support CLI, WEB, Telnet, SNMPv1/v2c/v3, SSH (IPv4/IPv6)	
		Switch should support Syslog	
		Switch should support SNMP TRAP, FTP/TFTP, RMOM 1,2,3,9 and Trace route	
		Switch should support Dual IMG, Multiple Configuration Files	
		Switch should support 802.3ah OAM, 802.1ag OAM	
		Switch should support Port Mirror, CPU Mirror, RSPAN, VCT, DDM, OAM, ULDP, LLDP/LLDP MED	
21	Certification	CE&EMC	
21	Warranty	5 Years	

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

SI No		Specification
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 Filterand 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 VLANwith 4K VLAN ID
				Switch should support MAC Based VLAN, Voice VLAN,Guest VLAN, Management VLAN
17	QoS Features			Switch should support LACP: 8 Groups, 8 Ports/Group and static trunk
				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 supportbroadcast/Multicast/Unicaststorm 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 Snoopingoption 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**	5 Years

PATCH PANEL 24 PORT CAT 6 UTP

SR.#	SPECIFICATION/QUALITATIVE REQUIREMENT
1	The Cat-6 transmission performance is in compliance and Exceeds ANSI/TIA/EIA-568-C.2 Standard. Supports 1000-Base-T.
2	90 Degree (Top Entry) Punch Down Design for Convenient Network Terminations.
3	Ease of Installation with built in Rear Cable Management.
4	Removable Module Design
5	6x4 Module Specially Designed Jack Configuration
6	Contacts pins and IDC mountings assembled in PCBs by SolderlessPress-fit process. PCB: FR4, 1.6mm Thickness 2 Layers
7	Jack Wire: 30µgold plating over 40µ ~ 80µ nickel plating (Square Wire, 360°plated)
8	IDC Conductor :0.5 mm Phosphor Bronze (Base Material), 100µ Tin Plating
10	Contact Compatibility : 22~26 AWG Stranded and Solid Wires
11	1U Patch Panel to Mount In any Standard Rack. Panel Frame : SPCC Powder Coating In Matt Finish Black Color.
12	Housing : High Impact Flame Retardant Plastic,UL 94V-0 Rated
13	Easy Port Labeling Identification Provision
14	Electrical Characteristics:
a	Current Rating : 1.5amps
b	Insulation Resistance :>= 500mΩ
c	Contact Resistance :<=10mΩ
d	DC Resistance :<=0.1Ω
e	DC/AC Volt Endurance : DC 1000V/AC 750V 1 Min
15	Mechanical Characteristics:
a	Plug Insertion Life :>= 750 Cycles with FCC Compliant RJ-45 Plug
b	Plug & Jack Contact :>= 100 Grams with FCC Compliant RJ-45 Plug Force
c	Plug Retention Force :>= 11 LBF
d	Durability : 200 Termination Cycles
e	Operating Temperature : -10 Degree ~ 60 Degree
f	Operating Humidity : 10% ~ 90% RH
g	Storage Temperature : -40 Degree ~ 68 Degree
16	Standard Verification

SR.#	SPECIFICATION/QUALITATIVE REQUIREMENT
a	ANSI/TIA-568-C.2
b	ISO/IEC 11801:2002/AMMD.2:2010
d	ISO/IEC 60603-7 Compliant
e	RoHS Directive 2002/95/EC/Compliant
f	UL LISTED

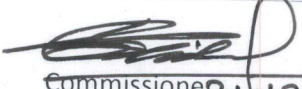|	FURNITURE	
1	Table, height- 2'6" length- 2", Width – 2'6" One keyboard Channel , Good quality ply.	
2	Chair HxWxD mm-820x440x620 (Fibre moulded)	

The Price bid will be opened only the bidder who qualifies the Technical Bid.

The L1 bidder in Financial bid will be awarded after due negotiation.

The Price bid of the Quotation should be in the following format.

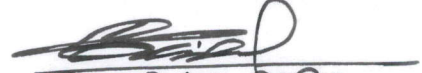| Sl.No.	Item Description	Qty	Unit	Unit Rate	Amount
1	COMPUTER WORKSTATION WITH MONITOR	2	No.		
2	ZERO CLIENT	20	No.		
3	19.5'' MONITOR (HP)	20	No.		
4	KEY BOARD AND MOUSE (Wired)	20	No.		
5	24 PORT GIGA ACCESS LAYER 2 SWITCH WITH 4 GIGA SFP	1	No.		
6	8 PORT GIGA ACCESS LAYER 2 SWITCH	1	No.		
7	PATCH PANEL, 24 PORT,CAT6, UTP,90DEG,SOLDERLES	2	No.		
8	FACE PLATE(1 PIECE), SINGLE PORT, WITHSHUTTER	22	No.		
9	SURFACE MOUNT BOX, WHITE	22	No.		
10	KEYSTONE, CAT6 UTP, PUNCH DOWN, W/O DOOR	22	No.		
11	SOLID CABLE, CAT6 UTP ,4 PAIR,23AWG, FRPVC,CM	600	Mtr		
12	PATCH CORD, CAT6 UTP,24AWG, GREY,LSZH,1M	22	No.		
13	PATCH CORD, CAT6 UTP,24AWG, GREY,LSZH,3M	22	No.		
14	5KV ONLINE UPS	1	No.		
15	26AH 12V BATTERY	20	No.		
16	BATTERY RACK WITH LINK CABLE	1	No.		
17	TABLE 2.5 FT X 2 FT	22	No.		
18	CHAIR	22	No.		
19	SWITCH, CABLE,CASING CAPING,MCB SWITCH,MOUNT BOX ETC. WITH COMPLETE INSTALLATION	1	LS		

(The above rate is exclusive of GST)

Commissioner 31.12.2021
Berhampur Municipal Corporation

Memo No. 11603   Dt. 31-12-2024

Copy submitted to the Collector, Ganjam, Chatrapur for favour of kind information with a request to please display a copy of this Notice in his Office Notice Board for wide circulation.
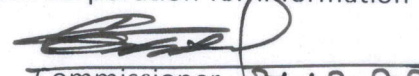
Commissioner
Berhampur Municipal Corporation

Memo No. 11604   Dt. 31-12-2024

Copy forwarded to the Steno to Mayor, Berhampur Municipal Corporation / P A to Municipal Commissioner/ Steno to E.Es., Berhampur Municipal Corporation for information and necessary action.

Commissioner
Berhampur Municipal Corporation

Memo No. 11605   Dt. 31-12-2024

Copy with enclosure to the office Notice Board/spare copies to concerned files for reference and record.

Commissioner
Berhampur Municipal Corporation