

Jharkhand State Livelihood Promotion Society (JSLPS)

(Under Department of Rural Development Department)

2nd Floor, JSAMB Building, Itki Road, Hehal

Ranchi-834005, Jharkhand

Email – joharjharkhandproc@gmail.com **Website –** <https://jslps.jharkhand.gov.in>

No: JSLPS/MIS-75/1022

Date: 29/04/2026

Quotation for Supply and Installation of Networking Hardware for Internet Connectivity through e-Procurement System

JSLPS invites online tenders for Supply and Installation of Networking Hardware for Internet Connectivity. The detailed bid document is available in the e-Procurement platform of Jharkhand i.e. <http://jharkhandtenders.gov.in>.

Time Schedule for the bids:

Bid Reference No.	SMMG20260429 Date: 29/04/2026
Date of commencement of downloading of bid document	15:00 hours onwards of 30/04/2026
Bid submission start date	11:00 hours of 07/05/2026
Last date for down loading of bid document from the E-procurement platform http://jharkhandtenders.gov.in	Up to 14:00 hours of 14/05/2026
Last date and time for bid submission of bid.	Up to 15:00 hours of 14/05/2026
Time and date of opening of Technical bid	15:30 hours of 14/05/2026
Place of opening of bid and address for communication	Jharkhand State Livelihood Promotion Society, 2 nd Floor, JSAMB Building, Itki Road, Hehal, Ranchi-834005, Jharkhand

Only e-Tender documents are acceptable

Sd/-
Chief Operating Officer
JSLPS

TERMS AND CONDITIONS

- 1) The tender shall be for the full quantity of all item(s) as described in the package mentioned in the schedule of requirement and specification at **Annexure – I**.
- 2) The quoted rates shall include the bidder's cost towards insurance, packing & forwarding, transportation and delivery charges to JSLPS Offices at Hehal, Itki Road & FFP Building, Dhurwa situated in Ranchi.
- 3) Each bidder shall submit only one bid, alternative bid or any conditional offer shall not be accepted.
- 4) Tender shall remain valid for a period not less than 45 days from the date of opening of the technical bid.
- 5) Notwithstanding the above, the purchaser reserves the right to accept or reject any bid(s) and to cancel the bidding process at any time prior to the issue of Purchase Order.
- 6) The purchaser reserves the right at the time of placement of purchase order to increase or decrease the required quantity up to 20% depending upon the demand and supply situation during that period.
- 7) The delivery and installation should be completed within 7 days from the date of receipt of the purchase order.
- 8) Any delay by the supplier in delivery of the items shall render the supplier liable to be charged liquidated damages @ 0.5% per week or part thereof subject to a maximum of 5% of purchase order value which will be deducted from the payment due.
- 9) Payment will be made only after complete delivery as per order subject to submission of bills along with copy of delivery challan alongwith installation report with official seal & signature.
- 10) The technical bids will be open first for evaluation in accordance with the technical qualification parameters laid down in the tender document. Financial bids of the technically responsive bidders will be opened only.
- 11) **Documents required/eligibility for the technical bid:**
 - a) Copy of GST Registration Certificate.
 - b) Bidder must have its office/establishment at Ranchi (furnish document as proof).
 - c) Bidder should have successfully undertaken atleast three work of similar nature (furnish document as proof).
 - d) Firm must have an average Annual Turnover of Rs. 10.00 Lakhs during the last three Financial Years i.e. FY 2022-23, 2023-24 & 2024-25. Submit audited P/L account.

- 12) The bids are liable to be rejected if any of the above conditions is not complied with.
- 13) Price should be quoted as per the **BoQ**.
- 14) **Issue of Purchase Order.**

The Purchase Order will be issued to the selected bidder whose bids has been determined to be substantially responsive and who has offered the lowest evaluated package price. The terms of the accepted offer shall be incorporated in the purchase order.

- 15) Any efforts by a bidder to influence the purchaser in its decision on bid evaluation or placement of purchase order may result in rejection of the bidder's offer.
- 16) Any legal dispute arising out of this is subject to Ranchi jurisdiction only.

Sd/-
Chief Operating Officer
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Schedule of Requirement & Specification**A. Requirement**

Sl. No.	Item Description	Location	Estimated Quantity
1	Router	JSLPS Hehal Office	1
2	CAT-6 Networking Cable (150 Meter)	JSLPS Hehal Office	1 Lot
3	CAT-6 Networking Cable	JSLPS FFP Building	1 Lot
4	Wireless Access Point	JSLPS Hehal Office	4
5	Wireless Access Point	JSLPS FFP Building	2
6	IO Box	JSLPS FFP Building	3
7	4-Unit Mount Rack	JSLPS FFP Building	2
8	5-Port 1 Gigabyte Switch	JSLPS FFP Building	1
9	Load Balancer	JSLPS FFP Building	1
10	Configuration & Installation Charges	Both Offices	1 Lot
Note : Quantities mentioned above are indicative in nature and it may change based upon actual site condition			

B. Specifications

S. No. 1 : Router	
1	Device must Support IEEE 802.3, 802.3u, 802.3ab, IEEE 802.3x, IEEE 802.1q TCP/IP, DHCP, ICMP, NAT, PPPoE, NTP, HTTP, HTTPS, DNS, IPSec, PPTP, L2TP, OpenVPN, SNMP
2	Device must Support 2× 10GE SFP+ Ports (1 WAN, 1 WAN/LAN), 1× 1GE SFP WAN/LAN Ports, 8× 1GE RJ45 WAN/LAN Ports, 2× USB Ports (Connecting 4G/3G Modem as WAN Backup)
3	Device must have 4MB SPI NOR + 256 MB NAND Flash and 4 GB DDR4
4	Device must have 4 kV surge protection
5	Device must have Quad-core Cortex-A72 @2.2GHz
6	Device must support 2300000 Concurrent Session and 20000 New Sessions /Second
7	Device must WAN Connection Type Static/Dynamic IP , PPPoE, PPTP, L2TP
8	Device must Support IPv6 StaticIP / SLAAC / DHCPv6 / PPPoE / 6to4Tunnel / PassThrough
9	Device must Support Dual Redundant Power Supplies with Fixed 2 Power Supply from Day One
10	Device must support 802.1Q VLAN
11	Device must support Static Routing & Policy Routing
12	Device must support WAN Failover and Load Balance for uninterrupted Internet Connection

S. No. 1 : Router	
13	Device Must support One-to-One Nat , Multi Net , NAT-DMZ ,Virtual Server and Port Triggering
14	Device must Support SPI Firewall , VPN Passthrough ,DoS Defence, Ping of Death
15	Device must support VPN Like IPSEC , PPTP, L2TP and Open VPN , GRE , Wireguard
16	Device must support URL Filtering and Web Security
17	Device Must support ARP-Scanning and IP-MAC Binding
18	Device must support following Attack Defense TCP/UDP/ICMP Flood Defense ,Block TCP Scan (Stealth FIN/Xmas/Null) Block Ping from WAN
19	Device Must Support Access controler based on Source/Destination IP Based Access Control
20	Device must support DDNS Service such as Dynamic DNS (Dyndns, No-IP, Peanuthull, Comexe
21	Device must Support ZTP (zero touch provisioning)
22	Device must support Controller Mode and Standalone Mode
23	Device OEM Must be ISO 9001 and 140001 certified at the time of Bidding
24	Device must be in Gartner Magic Quadrant at least in last 4 Quarters at the time of bidding

S. No. 2 & 3: CAT-6 Networking Cable	
Conductor:	23 AWG Solid bare Copper (4 pair)
Insulation:	High Density Polyethylene
Pairs:	2 Insulated conductors twisted together
Sheath:	FR-PVC
Cable Diameter:	6.1mm nominal
Printing:	Each meter printed with sequential Length Counter
Characteristic Impedance:	100±15Ω
Conductor Resistance:	≤ 9.38Ω/100m
Mutual Capacitance:	< 5.6nF/100m
Resistance Unbalance:	5% Max
Capacitance Unbalance:	330pF/100m
Delay Skew:	< 50nS
NVP (%):	69%
Pulling Force:	11.5 Kg
Operating Temperature Range:	– 20°C to +75°C
Storage Temperature Range:	– 0°C to +50°C

S. No. 4 & 5 : Wireless Access Point	
1	AP shall have hardened enclosures for indoor deployment and shall have a robust design for durability
2	It shall have dual radios for concurrent dual band (5 GHz / 2.4 GHz) operation
3	It shall have Simultaneous 574 Mbps on 2.4 GHz and 1201 Mbps on 5 GHz totals 1775 Mbps Wi-Fi speeds

S. No. 4 & 5 : Wireless Access Point	
4	AP must support 1024 QAM
5	AP must Support WEP, WPA-Personal/Enterprise, WPA2-Personal/Enterprise, WPA3-Personal/Enterprise
6	Minimum 1 number of 1 Gbps Ethernet port RJ-45.
7	AP shall support Multi user MIMO
8	AP shall support Outfitted with the latest 802.11ax technology
9	The AP shall comply with IEEE 802.11ax at a minimum and be backwards compatible to IEEE 802.11a/b/g/n/ac standards.
10	AP shall operate at least in full 2X:2 MIMO or more mode without any loss of features or capabilities
11	AP shall Support PoE 802.3at PoE for convenient and affordable installation
12	AP must support 20 MHz, 40 MHz and 80 MHz channels.
13	Each AP must support minimum 80 concurrent clients in total (including both 2.4GHz and 5GHz radios).
14	The AP shall provide a minimum of 20 dBm EIRP for both 2.4 GHz and and 23 dBm for 5 GHz frequencies. Field deployment shall be with EIRP as per regulatory guidelines.
15	AP shall support QoS and WMM latest technology
16	AP shall support Multiple operating modes including managed AP and standalone AP mode
17	AP shall support Band Steering, Beamforming, Airtime Fairness and Load Balance and OFDMA features
18	AP shall support rogue access point detection
19	AP shall have dual-Band Omni-directional Antenna, either internal or external. Field deployment shall be with EIRP as per the WPC guideline.
20	AP should be compatible for Simple mounting on any wall or ceiling surface
21	AP should support management VLAN
22	AP should support Captive portal and Rate limit feature
23	AP shall support Reboot Schedule, Wireless Schedule and Wireless Statistics based on SSID/AP/Client
24	Intelligent RF control plane for self-healing, and self-optimization
25	AP Shall support Wireless Mac Address Filtering, Wireless Isolation Between Clients and SSID to VLAN Mapping
26	AP shall support 802.1X authentication and external radius server
27	AP shall be able to assign end User the IP address as received from backend core DHCP Server.
28	AP shall support Hardware controller or Software controller and Zero-Touch Provisioning (ZTP)‡, Centralized Cloud Management, and Intelligent Monitoring.
29	Shall support Operating Temperature of 32°F~144°F
30	Device OEM must be must be ISO 9001 & 14001 Certified at the time of bidding

S. No. 4 & 5 : Wireless Access Point	
31	Device OEM must be Gartner Magic Quadrant for Enterprise Wired and Wireless LAN Infrastructure in Last 4 Quarter

S. No. 6: IO Box	
Interface Type:	RJ45 Socket, 8 Position (8P8C).
Compatibility:	Category 6/Cat6e (backward compatible with Cat5e).
Transmission Performance:	Supports Gigabit Ethernet speeds up to 1000Mbps (250 MHz).
Termination:	IDC (Insulation Displacement Connector) type, typically tool-free or punch-down.
Wiring Standard:	Supports TIA/EIA 568A and 568B labeling.
Durability:	Typically >750 insertion cycles; contacts are often gold-plated.
Components:	1x Single/Dual Port Faceplate, 1x Keystone Jack, 1x Back/Gang Box.

S. No. 7: 4 Unit Mount Rack	
Rack Standard :	Conforms to DIN 41494 or equivalent standard
Construction :	Welded
Front Door :	Lockable Toughened Glass Door
Basic Frame :	Steel
Equipment Mounting :	DIN Standard Slots
Mounting Angle :	19" Mounting angles made of formed steel
Static Load :	25 Kgs.

S. No. 8 : 5 Port 1 Gigabyte Switch	
1	The switch shall support IEEE standards 802.3i, 802.3u, 802.3ab, 802.3x, 802.1q, and 802.1p.
2	The device shall be equipped with 8 × 10/100/1000 Mbps RJ45 ports supporting Auto-Negotiation and Auto MDI/MDIX.
3	The device shall be fanless in design for silent operation.
4	The switch shall operate using an external power adapter (5V DC / 0.6A).
5	The switch shall support a switching capacity of 16 Gbps.
6	The forwarding rate shall be 11.9 Mpps.
7	The MAC address table shall support minimum 4K entries.
8	Packet buffer memory shall be minimum 1.5 Mb.
9	The switch shall support jumbo frames up to 16 KB.
10	The switching method shall be Store-and-Forward.
11	Support for Port-based, 802.1p, and DSCP priority Quality of Service (QoS) features
12	Support for minimum 4 priority queues
13	Support for rate limiting and storm control
14	Support for IGMP Snooping (v1/v2/v3)
15	Support for Static Link Aggregation
16	Support for Port Mirroring
17	Support for Cable Diagnostics
18	Support for Loop Prevention mechanism
19	Support for VLAN (IEEE 802.1Q)

S. No. 8 : 5 Port 1 Gigabyte Switch	
20	Support for minimum 32 VLANs simultaneously
21	Support for MTU VLAN, Port-based VLAN, and Tag VLAN
22	The device shall be compliant with CE, FCC, and RoHS certifications.
23	The device Operating Temperature: 0°C to 40°C
24	Storage Temperature: -40°C to 70°C
25	Operating Humidity: 10% to 90% (non-condensing)
26	Storage Humidity: 5% to 90% (non-condensing)
27	Device OEM must be must be ISO 9001 & 14001 Certified at the time of bidding
28	Device OEM must be must belisted in gartner Magic quadrant in last 4 quarter

S. No. 9: Load Balancer	
1	Device must Support IEEE 802.3, 802.3u, 802.3ab, IEEE 802.3x, IEEE 802.1q TCP/IP, DHCP, ICMP, NAT, PPPoE, NTP, HTTP, HTTPS, DNS, IPSec, PPTP, L2TP, OpenVPN, SNMP
2	Device must Support 1 gigabit SFP WAN port, 1 gigabit RJ45 WAN port, 2 gigabit WAN/LAN ports
3	Device must have 128 MB NAND Flash and 256MB DDR DRAM
4	Device must have 4 kV surge protection
5	Device must support 150,000 Concurrent Session and 5,500 New Sessions /Second
6	Device must WAN Connection Type Static/Dynamic IP , PPPoE, PPTP, L2TP
7	Device must Support IPv6 StaticIP / SLAAC / DHCPv6 / PPPoE / 6to4Tunnel / PassThrough
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