

BNPM/NCB/366/2023-24	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SHEET 1 OF 1
	Tender for Upgradation of LAN (Local Area Network) Infrastructure at BNPM, Mysuru. CORRIGENDUM NO. 1	

CORRIGENDUM No. 1, DATED 11.12.2023

FOR

TENDER NO. BNPM/NCB/366/2023-24 dated 10.11.2023

TENDER FOR UPGRADATION OF LAN (LOCAL AREA NETWORK) INFRASTRUCTURE AT BNPM PLANT, MYSURU



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1.0 SCOPE OF THIS CORRIGENDUM

- 1.1 This corrigendum dated 11.12.2023, is issued for,
- (a) The tender due date extension for submission of tender published on 10.11.2023.
 - (b) Clarifications to queries received against the tender/raised in the pre-bid meeting held on 28.11.2023.
- 1.2 Except for details mentioned herein, all other details contained in the tender no. BNPM/NCB/366/2023-24 dated 10.11.2023, shall remain applicable and unchanged.

2.0 REVISION TO THE TENDER:-

- 2.1 Clause no. 1.1 (a) is as below

Closing date and time for receipt of tenders	26-12-2023 - 1100 Hours
Date and time of opening of Techno-commercial bid	26-12-2023 - 1130 Hours

3.0 CLARIFICATIONS TO THE TENDER:-

- 3.1 Clause no 1.1 (b) is as per Annexure-1 enclosed to this corrigendum. Clarifications/ revisions/amendments made in Section VII - Technical Specifications will apply *mutatis mutandis* to Section VIII - Quality Control Requirements.

ANNEXURE - 1

Tender No: BNPM/NCB/366/2023-24 dated 10.11.2023

S No	Tender Clause	Bidders Query	Clarifications to tender terms & conditions
1	<u>Section II - General Instructions to Tenderers (Clause-13: Indian Agent):</u> One manufacturer can authorize only one agent/Dealer. Also one agent cannot represent more than one supplier or quote on their behalf in a particular tender enquiry. Such quote is likely to be rejected. There can be only one bid from i.) The principal manufacturer directly or one Indian agent on his behalf. ii.) The foreign principal or any of its branch/ division iii.) Indian/ Foreign Agent on behalf of only one Principal.	We request you to amend this point. As one OEM can authorize multiple Dealers/Authorized Partners to bid this requirement. Else this point will block the multiple bids and healthy competition.	Tender condition shall prevail.
2	<u>Section III - Special Instructions to Tenderers (SI No-7: Earnest Money Deposit):</u>	We are an MSME (SMALL Enterprise) (UDYAM) registered bidder (system integrator). Kindly confirm whether the EMD exemption is applicable to us or not.	As per tender, submission of EMD is exempted for Micro and Small enterprises (MSEs) . MSEs should be registered and also will continue to remain registered during the tender validity period with District Industries Centre (DIC) or Khadi and Village Industries Commission (KVIC) or Khadi and Industries Board (KVIB) or Coir Board or National Small Industries Commission (NSIC) or Directorate of Handicrafts and Handlooms or UDYAM Registered or Any other body specified by Ministry of MSME.
3	<u>Section V - Special Conditions of Contract (SI No-13: Site Inspection):</u> Any site information given in this tender document is for guidance only. The prospective bidders are strongly advised to visit at their own cost and examine the site and obtain all information/data necessary.	Kindly clarify is it mandatory to have site inspection? Or we can proceed submission of our bid based on tender requirement.	Site visit is not mandatory as per terms & conditions of tender, but it is strongly advised .
4	<u>Section VII - Technical Specifications (Clause-3: Objective - Manpower):</u> i) Deployment of manpower under operation & maintenance support (i.e. 1 year from acceptance date) for 3 months is mandatory, however SI needs to continue the onsite resource deployment till any of the issues raised during 3 months span without any additional cost.	Kindly clarify the resource requirement is for 1 Year or only 3 Months.	Clarification: Operation and maintenance support is for 1 year from acceptance date. Within this period, deployment of manpower for 3 months is mandatory. If any of the issues raised during the 3 months span is not addressed and closed, the manpower deployed must be available on-site till the issues raised are addressed and closed.
5	<u>Section VII - Technical Specifications (Clause-6(d): Audit Observations & Compliance):</u> BNPMIPL is subjected to various audits [internal / statutory / RBI etc.]. In the event of any observation by the audit regarding security, access control etc., of Network, the same will be intimated to the Bidder. The Bidder to resolve for compliance of the same without any additional cost.	We request to amend this point with applicable additional cost extra. As we don't know the observation/audit reports.	Clarification: This is with respect to configuration changes only without supply of any extra hardware & software.



6	<p><u>Section VII - Technical Specifications (Clause-15(a)(2): Core Switch - Virtual Switching System (VSS):</u></p> <p>Should have 400Gbps of stacking bandwidth in full duplex from day one.</p>	<p>Request to change the specification to "Should have 200Gbps of stacking bandwidth in full duplex from day one." Request to accept the change as the day 1 requirement mentioned in the clause-1 as uplink interfaces are 40G port and based on that stacking bandwidth should be maximum 160Gbps only. Hence request to accept the above mentioned change, So, that we can participate in this esteemed bid opportunity.</p>	<p>As per tender.</p> <p><u>Clarification:</u> Stacking should be done through 4 x 40G/100G QSFP28 (As per previous point) to achieve specification requirement.</p>
7	<p><u>Section VII - Technical Specifications (Clause-15(a)(5): Core Switch - System Management & Administration):</u></p> <p>SD Access or equivalent SDN functionality for LAN automation and single pane of glass management platform/controller from day one.</p>	<p>Request to delete this clause</p> <p>SD Access is a specific OEM ask. There is no ask of SDN Controller to implement the SDN functionality, which can be assumed that there is no requirement of SDN solution. For single pane of glass management, there is NMS asked as per the RFP, which can suffice the management needs.</p>	<p>As per tender</p>
8	<p><u>Section VII - Technical Specifications (Clause-15(b)(1): Distribution Switch (Type-1) - Switch Hardware):</u></p> <p>24x 1/10G Base-T ports, 12 x 10G SFP+ ports, 4 x 40G QSFP+ ports with redundant hot swappable power supplies. Switch should work in non-blocking architecture at wire speed. All types of SFP, stacking modules, Transceivers and relevant copper and Optical patch cords & power cables should be loaded as per functional drawing (as per proposed design / architecture).</p>	<p>Clarification required, the Distribution Switch specification is similar to Core Switch, Does this switch need to be Chassis based switch or 1 RU Switch will also suffice</p>	<p>As per tender</p>
9	<p><u>Section VII - Technical Specifications (Clause-15(b)(2): Distribution Switch (Type-1) - Virtual Switching System (VSS):</u></p> <p>Should have 400Gbps of stacking bandwidth in full duplex from day one.</p>	<p>Request to change the specification to "Should have 160Gbps of stacking bandwidth in full duplex from day one."</p> <p>Request to accept the change as the day 1 requirement mentioned in the clause-1 as uplink interfaces are 40G port and based on that stacking bandwidth should be maximum 160Gbps only. Hence request to accept the above mentioned change, So, that we can participate in this esteemed bid opportunity.</p>	<p>As per tender.</p> <p><u>Clarification:</u> Stacking should be done through 4 x 40G/100G QSFP28 (As per previous point) to achieve specification requirement.</p>
10	<p><u>Section VII - Technical Specifications (Clause-15(b)(5): Distribution Switch (Type-1) - System Management & Administration):</u></p> <p>SD Access or equivalent SDN functionality for LAN automation and single pane of glass management platform/controller from day one.</p>	<p>Request to delete this clause</p> <p>SD Access is a specific OEM ask. There is no ask of SDN Controller to implement the SDN functionality, which can be assumed that there no is requirement of SDN solution. For single pane of glass management, there is NMS asked as per the RFP, which can suffice the management needs.</p>	<p>As per tender</p>

11	<u>Section VII – Technical Specifications (Clause-15(c): Distribution Switch (Type-2)):</u> Heading - Distribution switches (Modular)	Request to change the Name of the C: Distribution Switch (Type 2): as " Distribution switches".	As per tender. <u>Clarification:</u> Type 2 is given for ease of understanding only.
12	<u>Section VII – Technical Specifications (Clause-15(c)(2): Distribution Switch (Type-2) - Virtual Switching System (VSS)):</u> Should have 400Gbps of stacking bandwidth in full duplex from day one.	Request to change the specification to "Should have 200Gbps of stacking bandwidth in full duplex from day one." Request to accept the change as the day 1 requirement mentioned in the clause-1 as uplink interfaces are 40G port and based on that stacking bandwidth should be maximum 160Gbps only. Hence request to accept the above mentioned change, So, that we can participate in this esteemed bid opportunity.	As per tender. <u>Clarification:</u> Stacking should be done through 4 x 40G/100G QSFP28 (As per previous point) to achieve specification requirement.
13	<u>Section VII – Technical Specifications (Clause-15(c)(5): Distribution Switch (Type-2) – System Management & Administration):</u> SD Access or equivalent SDN functionality for LAN automation and single pane of glass management platform/controller from day one.	Request to delete this clause SD Access is a specific OEM ask. There is no ask of SDN Controller to implement the SDN functionality, which can be assumed that there no is requirement of SDN solution. For single pane of glass management, there is NMS asked as per the RFP, which can suffice the management needs.	As per tender
14	<u>Section VII – Technical Specifications (Clause-15(d)(5): Access Switch - System Management & Administration):</u> SD Access or equivalent SDN functionality for LAN automation and single pane of glass management platform/controller from day one.	Request to delete this clause SD Access is a specific OEM ask. There is no ask of SDN Controller to implement the SDN functionality, which can be assumed that there no is requirement of SDN solution. For single pane of glass management, there is NMS asked as per the RFP, which can suffice the management needs.	As per tender
15	<u>Section VII – Technical Specifications (Clause-15(e)(6): POE Switch - Management):</u> CLI, GUI, SNMPv1,2 & 3, switch should support OpenFlow v1.3 or higher for SDN functionality.	Request to change to " CLI, GUI, SNMPv1,2 & 3" Industrial / Outdoor switches are basic L2 switches which is to provide basic connectivity to the far end devices and will not support the SDN features as per industry standards or it should not be mandatory. Request to specify any particular use case for the ask of this feature.	As per tender
16	<u>Section VII – Technical Specifications (Clause-15(e)(6): POE Switch - Management):</u> SD Access or equivalent SDN functionality for LAN automation from day one	Request to delete this clause SD Access is a specific OEM ask. There is no ask of SDN Controller to implement the SDN functionality, which can be assumed that there no is requirement of SDN solution. For single pane of glass management, there is NMS asked as per the RFP, which can suffice the management needs.	As per tender

17	<p><u>Section VII – Technical Specifications (Clause-15(e)(7): POE Switch - Environmental):</u> Min of -10 to 70 C Degrees centigrade operating temperature or better</p>	<p>Request to amend the same to "Min of -40 to 75 C Degrees centigrade operating temperature or better"</p> <p>As per industry standards, outdoor switches to have "-40 to 75 C Degrees ", else this can be considered as extended temperature switches and sub standards devices for the outdoor environment would be supplied.</p>	As per tender
18	<p><u>Section VII – Technical Specifications (NMS (Lan Automation) - Point #16):</u> The NMS/SDN controller shall have intent-based Access control list and QoS to deploy complex ACL/QoS across the LAN devices from single-pane-of-glass interface</p>	Specific OEM ask	As per tender
19	<p><u>Section VII – Technical Specifications (NMS (Lan Automation) - Point #17):</u> Solution should provide ongoing mechanism to find configuration deviation, security risk & non-compliances against segmentation rules by assessing current configuration, network security policies and generate alerts for any deviation to provide assurance.</p>	Specific OEM ask	As per tender
20	<p><u>Section VII – Technical Specifications (NMS (Lan Automation) - Point #18):</u> Solution should provide network visibility and historical analysis between any two-time series to identify any issue. It should include software recommendation & best practices based on platforms and running configuration in network.</p>	Specific OEM ask	As per tender
21	<p><u>Section IX – Eligibility Criteria (Note):</u> ii. Consortiums/JVs are not allowed to participate in this tender.</p>	We request TIA to amend this statement and allow Consortiums/JVs to participate in this tender.	Tender condition shall prevail.
22	<p><u>Section IX – Eligibility Criteria (Experience & Past Performance - Clause #b):</u> Bidder should have experience of having successfully completed similar* works during last 7 years ending 31.10.2023 should be either of the following:</p> <p>At least One similar* completed work costing not less than the amount equal to Rs. 6,82,80,000/- [Rupees Six Crore Eighty Two Lakh and Eighty Thousand only] [OR] At least Two similar* completed works costing not less than the amount equal to Rs. 4,26,75,000/- each [Rupees Four Crore Twenty Six Lakh and Seventy Five Thousand only] [OR] At least Three similar* completed works costing not less than the amount equal to Rs. 3,41,40,000/- each [Rupees Three Crore Forty One Lakh and Forty Thousand only]</p>	Kindly clarify the similar work completed values has to be exclusive GST or inclusive GST.	The value of work completed should be inclusive of GST/taxes as applicable.

S No	Tender Clause	Bidders Query	Revisions/Amendments to tender terms & conditions
1	<p><u>Section V – Special Conditions of Contract (SI No-8: Terms and Mode of Payment):</u></p> <p>i. For Supply (Hardware's/Cables & Software) (Schedule No 1 – 7 of Section-XI: Price Schedule):-</p> <p>a. 50% payment shall be made within 30 days from date of receipt and acceptance of goods by BNPM and on production of all required documents by the supplier.</p> <p>b. Balance 50% payment shall be made within 30 days after completion of work (i.e. scope as in stage-1 specified in Pg. 46 of this tender document) and payment for the same shall be made within 30 days on production of all required documents by the supplier.</p>	<p>For Supply (Hardware's/Cables & Software): 80% payment against receipt and acceptance of goods by BNPM. Remaining, 20% against work completion. Since already L1 Bidder would have submitted Security/Performance Deposit. And releasing 50% against supply will block the capital cost of successful bidder.</p>	<p>i. For Supply (Hardware's/Cables & Software) (Schedule No 1 – 7 of Section-XI: Price Schedule):-</p> <p>a. 60% payment shall be made within 30 days from date of receipt and acceptance of goods by BNPM and on production of all required documents by the supplier.</p> <p>b. Balance 40% payment shall be made within 30 days after completion of work (i.e. scope as in stage-1 specified in Pg. 46 of this tender document) and payment for the same shall be made within 30 days on production of all required documents by the supplier.</p>
2	<p><u>Section VI – List of Requirements (Clause-1: Required Delivery Schedule):</u></p> <p>Successful bidder shall have to deliver the materials, complete installation, integration, testing, commissioning, audit, documentation and training of personnel within a maximum period of 9 months from date of issue of LOI/agreement/ work order.</p>	<p>We request to revise from 9 months to 12 months towards SITC from the date of LOI Accepted.</p>	<p>Successful bidder shall have to deliver the materials, complete installation, integration, testing, commissioning, audit, documentation and training of personnel within a maximum period of 12 months from date of issue of LOI/agreement/work order.</p>



3	<p><u>Section VII - Technical Specifications (Clause-15(a)(1): Core Switch - Switch Hardware):</u> 24 x 1/10G SFP+ ports, 12 x 1/10G Base-T ports, 4 x 40G QSFP+ ports with expansion capacity of 3 slots for future use to expand 1G, 10G, 40G & 100G for future scalability, Switch should work in non-blocking architecture at wire speed, redundant hot swappable power supplies. All types of SFP, stacking modules, Transceivers and relevant copper and Optical patch cords & power cables should be loaded as per functional drawing (as per proposed design / architecture).</p>	<p>Request to change the specification to "24 x 1/10G SFP+ ports, 12 x 1/10G Base-T ports, 4 x 25/50G or 4x40G QSFP+ ports with expansion capacity of 3 slots for future use to expand 1G, 10G, 40G & 100G for future scalability, Switch should work in non-blocking architecture at wire speed, redundant hot swappable power supplies. All types of SFP, stacking modules, Transceivers and relevant copper and Optical patch cords & power cables should be loaded as per functional drawing (as per proposed design / architecture)."</p> <p>Request to share the uplink and stack ports detail with bandwidth requirement per port in between Core and distribution switches and what is the use case of only 4x40G port in the core switch. Our offered switch support 25G/50G in place of 40G with day1 required interfaces modules Hence request to accept the change as the proposed, as the core switches 10G SFP+ and copper ports will be connected as downlink, hence there will be no use of 40G port from Day-1. However Switch support 1G, 10G, 40G & 100G ports. But with 24 port SFP+ and copper module switch support 25G/50G uplink ports. Hence request to accept the above mentioned change, So, that we can participate in this esteemed bid opportunity.</p>	<p>24 x 1/10G SFP+ ports, 12 x 1/10G Base-T ports / SFP+ copper module ports, 4 x 40G/100G QSFP28 ports with expansion capacity of 3 slots for future use to expand 1G, 10G, 40G & 100G for future scalability, Switch should work in non-blocking architecture at wire speed, redundant hot swappable power supplies. All types of SFP, stacking modules, Transceivers and relevant copper and Optical patch cords & power cables should be loaded as per functional drawing (as per proposed design / architecture).</p> <p>Clarification: Bandwidth requirement b/w Core & Distribution Switch as well as stacking is as per Architecture diagram. Stacking should be done through 4 x 40G/100G QSFP28 (As above) to achieve specification requirement.</p>
4	<p><u>Section VII - Technical Specifications (Clause-15(a)(2): Core Switch - Virtual Switching System (VSS)):</u> The Virtual Switching System (VSS) / equivalent technology shall support virtualization of switch locally or over geographically diversified locations with "split brain/dual master" avoidance functionality during stack links/modules failure.</p>	<p>Need Clarity on this, however offered switch supports High availability with industry leading VSX: maintain synchronous state across dual control planes allows a unique high availability solution. VSX is delivered through redundancy gained by deploying two chassis with an inter-switch link, with each chassis maintaining its independent control. Designed using the best features of existing HA technologies such as Multichassis Link Aggregation (MC-LAG) - VSX enables a distributed architecture that is highly available during upgrades or control plane events. VSX enables a distributed and redundant architecture by deploying two switches with each switch, maintaining independent control yet staying synchronized during upgrades or failover. Also supports upgrades during live operation</p>	<p>The Virtual Switching System (VSS) / VSX / equivalent technology shall support virtualization of switch locally or over geographically diversified locations with "split brain/dual master/Equivalent avoidance functionality during stack links/modules failure.</p>

5	<u>Section VII - Technical Specifications (Clause-15(a)(3): Core Switch - Layer 2 - 3 Features):</u> IPv6 Ready logo certified from day one.	Request to change the specification to "IPv6 Ready or ready logo certified from day one" Request to accept the change as the proposed Switch support all IPv6 features and security from day 1 required for any enterprise network.	IPv6 Ready or ready logo certified from day one.
6	<u>Section VII - Technical Specifications (Clause-15(a)(5): Core Switch - System Management & Administration):</u> CLI, GUI, SNMPv1,2 & 3, switch should support OpenFlow v1.3 or higher for SDN functionality	Request to change the specification to "CLI, GUI, SNMPv1,2 & 3, switch should support OpenFlow v1.3 or higher or REST API for SDN functionality" Request to accept the change as the proposed Switch support REST API features from day 1 required for any enterprise network.	CLI, GUI, SNMPv1,2 & 3, switch should support OpenFlow v1.3/ Rest API or higher for SDN functionality.
7	<u>Section VII - Technical Specifications (Clause-15(a)(6): Core Switch - Environmental):</u> Operating Temperature: Min of 0-45 Degree centigrade or better, Humidity: 5% to 90% or better	Request to change the specification to "Operating Temperature: Min of 0-45 Degree centigrade or better, Humidity: 15% to 90% or better" Request to accept the change as the proposed Switch support humidity 15% to 95%, Hence request to accept the above mentioned change, So, that we can participate in this esteemed bid opportunity.	Operating Temperature: Min of 0-45 Degree centigrade or better.
8	<u>Section VII - Technical Specifications (Clause-15(a)(8): Core Switch - Integration):</u> <i>For ease of integration, SFP Modules shall be from same OEM.</i>	Type and count of all the SFP's required are to be mentioned.	As per tender "All types of SFP, stacking modules, Transceivers and relevant copper and Optical patch cords & power cables should be loaded as per functional drawing (as per proposed design / architecture)."
9	<u>Section VII - Technical Specifications (Clause-15(b)(1): Distribution Switch (Type-1) - Switch Hardware):</u> 24x 1/10G Base-T ports, 12 x 10G SFP+ ports, 4 x 40G QSFP+ ports with redundant hot swappable power supplies. Switch should work in non-blocking architecture at wire speed. All types of SFP, stacking modules, Transceivers and relevant copper and Optical patch cords & power cables should be loaded as per functional drawing (as per proposed design / architecture).	Request to change the specification to "24x 1/10G Base-T/SFP+ copper module ports, 12/24 x 10G SFP+ ports , 4 x 40G QSFP+ ports with redundant hot swappable power supplies. Switch should work in non-blocking architecture at wire speed. All types of SFP, stacking modules, Transceivers and relevant copper and Optical patch cords & power cables should be loaded as per functional drawing (as per proposed design / architecture)." Request to accept the change as the proposed Switch support 48x 1/10G SFP+ (copper & Fiber ports) and 4x40/100G ports. Hence request to accept the above mentioned change, So, that we can participate in this esteemed bid opportunity.	24x 1/10G Base-T ports/ SFP+ copper module ports , 12 x 10G SFP+ ports, 4 x 40G/ 100G QSFP+/QSFP28 ports with redundant hot swappable power supplies. Switch should work in non-blocking architecture at wire speed. All types of SFP, stacking modules, Transceivers and relevant copper and Optical patch cords & power cables should be loaded as per functional drawing (as per proposed design / architecture).

10	<u>Section VII = Technical Specifications (Clause-15(b)(3): Distribution Switch (Type-1) - Layer 2 - 3 Features):</u> IPv6 Ready logo certified from day one	Request to change the specification to "IPv6 Ready or ready logo certified from day one" Request to accept the change as the proposed Switch support all IPv6 features and security from day 1 required for any enterprise network.	IPv6 Ready or ready logo certified from day one.
11	<u>Section VII = Technical Specifications (Distribution Switch (Type-1) - System Management & Administration):</u> CLI, GUI, SNMPv1,2 & 3, switch should support OpenFlow v1.3 or higher for SDN functionality	Request to change the specification to "CLI, GUI, SNMPv1,2 & 3, switch should support OpenFlow v1.3 or higher or REST API for SDN functionality" Request to accept the change as the proposed Switch support REST API features from day 1 required for any enterprise network.	CLI, GUI, SNMPv1,2 & 3, switch should support OpenFlow v1.3/ Rest API or higher for SDN functionality
12	<u>Section VII = Technical Specifications (Clause-15(b)(6): Distribution Switch (Type-1) - Environmental):</u> Operating Temperature: Min of 0-45 Degree centigrade or better, Humidity: 5% to 90% or better	Request to change the specification to "Operating Temperature: Min of 0-45 Degree centigrade or better, Humidity: 15% to 90% or better" Request to accept the change as the proposed Switch support humidity 15% to 95%, Hence request to accept the above mentioned change, So, that we can participate in this esteemed bid opportunity.	Operating Temperature: Min of 0-45 Degree centigrade or better.
13	<u>Section VII = Technical Specifications (Clause-15(b)(8): Distribution Switch (Type-1) - Integration):</u> For ease of integration, SFP Modules shall be from same OEM.	Type and count of all the SFP's required are to be mentioned.	As per tender "All types of SFP, stacking modules, Transceivers and relevant copper and Optical patch cords & power cables should be loaded as per functional drawing (as per proposed design / architecture)."
14	<u>Section VII = Technical Specifications (Clause-15(c)(2): Distribution Switch (Type-2) - Virtual Switching System (VSS)):</u> The Virtual Switching System (VSS) / equivalent technology shall support virtualization of switch locally or over geographically diversified locations with "split brain/dual master" avoidance functionality during stack links/modules failure.	Need clarity on this, however offered switch supports High availability with industry leading VSX: maintain synchronous state across dual control planes allows a unique high availability solution. VSX is delivered through redundancy gained by deploying two chassis with an inter-switch link, with each chassis maintaining its independent control. Designed using the best features of existing HA technologies such as Multichassis Link Aggregation (MC-LAG) - VSX enables a distributed architecture that is highly available during upgrades or control plane events. VSX enables a distributed and redundant architecture by deploying two switches with each switch, maintaining independent control yet staying synchronized during upgrades or failover. Also supports upgrades during live operation	The Virtual Switching System (VSS) / VSX / equivalent technology shall support virtualization of switch locally or over geographically diversified locations with "split brain/dual master/ Equivalent avoidance functionality during stack links/modules failure.

15	<u>Section VII = Technical Specifications (Clause-15(c)(3): Distribution Switch (Type-2) - Layer 2 - 3 Features):</u> IPv6 Ready logo certified from day one	Request to change the specification to "IPv6 Ready or ready logo certified from day one" Request to accept the change as the proposed Switch support all IPv6 features and security from day 1 required for any enterprise network.	IPv6 Ready or ready logo certified from day one.
16	<u>Section VII = Technical Specifications (Clause-15(c)(5): Distribution Switch (Type-2) : System Management & Administration):</u> CLI, GUI, SNMPv1,2 & 3, switch should support Open Flow v1.3 or higher for SDN functionality	Request to change the specification to "CLI, GUI, SNMPv1,2 & 3, switch should support OpenFlow v1.3 or higher or REST API for SDN functionality" Request to accept the change as the proposed Switch support REST API features from day 1 required for any enterprise network.	CLI, GUI, SNMPv1,2 & 3, switch should support OpenFlow v1.3/ Rest API or higher for SDN functionality
17	<u>Section VII = Technical Specifications (Clause-15(c)(6): Distribution Switch (Type-2) - Environmental):</u> Operating Temperature: Min of 0-45 Degree centigrade or better, Humidity: 5% to 90% or better	Request to change the specification to "Operating Temperature: Min of 0-45 Degree centigrade or better, Humidity: 15% to 90% or better" Request to accept the change as the proposed Switch support humidity 15% to 95%, Hence request to accept the above mentioned change, So, that we can participate in this esteemed bid opportunity.	Operating Temperature: Min of 0-45 Degree centigrade or better.
18	<u>Section VII = Technical Specifications (Clause-15(c)(8): Distribution Switch (Type-2) - Integration):</u> For ease of integration, SFP Modules shall be from same OEM.	Type and count of all the SFP's required are to be mentioned.	As per tender "All types of SFP, stacking modules, Transceivers and relevant copper and Optical patch cords & power cables should be loaded as per functional drawing (as per proposed design / architecture)."
19	<u>Section VII = Technical Specifications (Clause-15(d)(3): Access Switch - Layer 2 - 3 Features):</u> IPv6 Ready logo certified from day one	Request to change the specification to "IPv6 Ready or ready logo certified from day one" Reason: Request to accept the change as the proposed Switch support all IPv6 features and security from day 1 required for any enterprise network.	IPv6 Ready or ready logo certified from day one
20	<u>Section VII = Technical Specifications (Clause-15(d)(3): Access Switch - Layer 2 - 3 Features):</u> PIM-DM, SM, SSM (Required from Day 1)	PIM-DM, SM, SSM (Required from Day 1) Multicast is handled in the Core & distribution switches, this feature is not required at the access level switches	The clause stands deleted.
21	<u>Section VII = Technical Specifications (Clause-15(d)(5): Access Switch - System Management & Administration):</u> CLI, GUI, SNMPv1,2 & 3, switch should support OpenFlow v1.3 or higher for SDN functionality	Request to change the specification to "CLI, GUI, SNMPv1,2 & 3, switch should support OpenFlow v1.3 or higher or REST API for SDN functionality" Reason: Request to accept the change as the proposed Switch support REST API features from day 1 required for any enterprise network.	CLI, GUI, SNMPv1,2 & 3, switch should support OpenFlow v1.3/ Rest API or higher for SDN functionality

22	<u>Section VII - Technical Specifications (Clause-15(d)(6): Access Switch - Environmental):</u> Operating Temperature: Min of 0-45 Degree centigrade or better, Humidity: 5% to 90% or better	Request to change the specification to "Operating Temperature: Min of 0-45 Degree centigrade or better, Humidity: 15% to 90% or better" Reason: Request to accept the change as the proposed Switch support humidity 15% to 95%, Hence request to accept the above mentioned change, So, that we can participate in this esteemed bid opportunity.	Operating Temperature: Min of 0-45 Degree centigrade or better.
23	<u>Section VII - Technical Specifications (Clause-15(d)(8): Access Switch - Integration):</u> For ease of integration, SFP Modules shall be from same OEM.	Type and count of all the SFP's required are to be mentioned.	As per tender "All types of SFP, stacking modules, Transceivers and relevant copper and Optical patch cords & power cables should be loaded as per functional drawing (as per proposed design / architecture)."
24	<u>Section VII - Technical Specifications (Clause-15(e)(1): POE Switch - Switch Hardware):</u> 8 x1G Base-T PoE+ Ports, Additional 4x1G SFP with redundant/Dual power inputs for providing better reliability. All types of SFP and relevant copper, Optical patch cords and power cable should be loaded as per functional drawing.	Request to change the specification to "8x1G Base-T PoE+ Ports, Additional 2x1/10G SFP with redundant/Dual power inputs for providing better reliability. All types of SFP and relevant copper, Optical patch cords and power cable should be loaded as per functional drawing." Reason: Request to accept the change as the proposed Switch support 12 x1G copper ports and 2x1/10G SFP+ ports. Hence request to accept the above mentioned change, So, that we can participate in this esteemed bid opportunity.	8x1G Base-T PoE+ Ports, Additional (minimum) 2x1G SFP with redundant/Dual power inputs for providing better reliability. All types of SFP and relevant copper, Optical patch cords and power cable should be loaded as per functional drawing.
25	<u>Section VII - Technical Specifications (Clause-15(e)(4): POE Switch - Layer 2 - 3 Features):</u> The switch shall have IPv6 Ready logo certified from day one.	Request to change the specification to "IPv6 Ready or ready logo certified from day one" Reason: Request to accept the change as the proposed Switch support all IPv6 features and security from day 1 required for any enterprise network.	IPv6 Ready or ready logo certified from day one.
26	<u>Section VII - Technical Specifications (Clause-15(e)(6): POE Switch - Management):</u> CLI, GUI, SNMPv1,2 & 3, switch should support OpenFlow v1.3 or higher for SDN functionality.	Request to change the specification to "CLI, GUI, SNMPv1,2 & 3, switch should support OpenFlow v1.3 or higher or REST API for SDN functionality" Reason: Request to accept the change as the proposed Switch support REST API features from day 1 required for any enterprise network.	CLI, GUI, SNMPv1,2 & 3, switch should support OpenFlow v1.3/ Rest API or higher for SDN functionality
27	<u>Section VII - Technical Specifications (Clause-15(e)(9): POE Switch - Integration):</u> For ease of integration, SFP Modules shall be from same OEM.	To mention that the SFP should be Industrial Grade for these switches Type and count of all the SFP's required are to be mentioned.	As per tender "All types of SFP, stacking modules, Transceivers and relevant copper and Optical patch cords & power cables should be loaded as per functional drawing (as per proposed design / architecture)."

28	<p><u>Section VII – Technical Specifications (Clause-15(e)(10): POE Switch - DIN rail power supply for Industrial Grade Ethernet Switch):</u> The power supply unit supplied shall be 480W @48Vdc</p>	<p>Request to change the specification to "The power supply unit supplied shall be 480W with 360W PoE Reserved"</p> <p>Reason: Request to accept the change as the proposed Switch support both AC and DC power supply with Industrial Grade IP-30 Standard switch. Hence request to accept the above mentioned change, So, that we can participate in this esteemed bid opportunity.</p>	<p>The power supply unit supplied shall be 480W @48Vdc/480W with 360W PoE Reserved</p>
29		<p>Request to clarify if DC Power Supply to be supplied or AC Power Supply as "48Vdc" is mentioned. And also justify why 480W PSU is required for a 8 port switch. The total switch POE budget required as mentioned in the specification is only 240W.</p>	<p>Input power shall be AC, however output to POE will be 48Vdc.</p>
30	<p><u>Section VII – Technical Specifications (NMS (Lan Automation) - Point #8):</u> The NMS/SDN controller should be able to show the colour-coded traffic map to provide visual network utilisation and bandwidth across all links, with constant updates.</p>	<p>The colour coded traffic map is a specific OEM ask.</p>	<p>The NMS/SDN controller should be able to show the colour-coded/Similar indication to differentiate in traffic map to provide visual network utilisation and bandwidth across all links, with constant updates.</p>
31	<p><u>Section VII – Technical Specifications (NMS (Lan Automation) - Point #9):</u> Simplify network management by creating and editing VLANs across multiple switches. The colour coded VLAN map highlights network connectivity, showing data paths of various business applications.</p>	<p>The colour coded VLAN's is a specific OEM ask.</p>	<p>Simplify network management by creating and editing VLANs across multiple switches. The colour coded/Similar indication VLAN map highlights network connectivity, showing data paths of various business applications.</p>
32	<p><u>Section VII – Technical Specifications (NMS (Lan Automation) - Point #10):</u> NMS/SDN controller shall be able to show the colour coded VLAN map highlighting the network connectivity, showing the data paths for your important business applications</p>	<p>The colour coded VLAN's is a specific OEM ask.</p>	<p>NMS/SDN controller shall be able to show the colour coded/similar indication VLAN map highlighting the network connectivity, showing the data paths for your important business applications</p>
33	<p><u>Section VII – Technical Specifications (NMS (Lan Automation) - Point #20):</u> The NMS/SDN controller shall be integrated with various 3rd party cybersecurity UTM/NGFW/IPS/End point security solutions with CEF messages such as syslog/SNMP Traps/Web API to isolate infected IP devices connected to LAN/WLAN automatically by enforcing the whitelist & blacklist policies.</p>	<p>Request to remove this clause, as this is OEM specific.</p>	<p>Solution must offer the ability to integrate with SIEM.</p>
34	<p><u>Section VII – Technical Specifications (NMS (Lan Automation) - Hardware Specifications):</u> a) Processor: 08 core processor. b) RAM: 16 Gb. c) Storage: 1 Tb. d) OS Environment: Windows Server 2022 Standard edition.</p>	<p>Request to provide minimum of 20 GB RAM. The provided processor & Storage are good for the NMS.</p>	<p>a) Processor: 08 core processor. b) RAM: 20 Gb. c) Storage: 1 Tb. d) OS Environment: Windows Server 2022 Standard edition.</p>

35	<p><u>Section IX – Eligibility Criteria (Experience & Past Performance - Clause #c):</u></p> <p>Bidder participating as Authorized Representatives should have been associated with same (or) other principal manufacturers for same set of services as present in tender (i.e. Supply, Installation, Commissioning, after sales services as the case may be) for same (or) similar product for past 3 years ending 31.10.2023.</p>	Request to remove Declaration from associated principal manufacturer regarding bidder's association for past 3 years pertaining to same set of services. As this clause will restrict most of the bidders to participate.	<p>Eligibility Criteria and document required to be submitted against eligibility criteria stands amended as below,</p> <p>Eligibility Criteria: Bidders participating as authorized representatives are required to furnish a legally enforceable authorization assuring full guarantee and warranty obligations as per the general and special conditions of contract.</p> <p>Document required: Filled & signed Manufacturer's authorization form issued by Manufacturer as provided in Section XIV of tender needs to be submitted in case of Authorized Representative.</p>
36	<p><u>Section IX – Eligibility Criteria (Experience & Past Performance - Clause #d):</u></p> <p>d) The OEM should be recognized in Gartner as part of Wired and Wireless category in any one year of past 3 years (2020, 2021 & 2022) for the LAN Infrastructure.</p>	We request TIA to remove this point as this will block majority of interested OEM's who are technically meeting tender requirement such as Make in India OEM's.	This clause stands deleted .
37	<p><u>Section IX – Eligibility Criteria (Note):</u></p> <p>iii. Bidders participating as authorized representatives, who are exclusively appointed by the principal manufacturer to represent them in India will also be eligible to apply or take part in the bid provided principal manufacturer meets all the above criteria's without exemption.</p>	OEM's may not have direct experience in execution of projects as generally projects are executed in tie-up with System Integrators.	This clause stands deleted .

