LinkEye

Network Performance & Capacity Report

- **Location:** Silguri CFA, Silguri
- **Vendor:** JIO
- **Link Type:** ILL
- **Business Hours:** 09:00–18:00
- **Provisioned Speed:** 20.0 Mbps

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1. Usage Pattern Analysis

The link is significantly underutilized, with an average usage of only 1.25 Mbps (6.2% of its capacity). Usage is primarily concentrated during business hours (09:00–18:00), which is consistent with standard operations. However, the connection experiences occasional, intense bursts of traffic. A highly anomalous peak of nearly 700 Mbps was recorded, suggesting a potential measurement error or a significant, unmonitored network event that requires investigation.

2. Capacity Planning Recommendations

The current 20 Mbps link is over-provisioned for regular business needs. For 95% of the time, usage remains below 6.7 Mbps. Based on this sustained usage, we recommend rightsizing the circuit.
- **Conservative:** 8.0 Mbps
- **Balanced (Recommended):** 10 Mbps
- **Aggressive:** Not applicable due to anomalous peak data.

We suggest a **10 Mbps** plan to safely accommodate typical peaks while generating cost savings.

3. Performance Risks & Bottlenecks

While average usage is low, the link experiences periods of high congestion, exceeding 90% capacity for over 500 minutes during the analysis period. The primary risk is not sustained load but these unpredictable, extreme traffic bursts. The recorded peak far exceeding the provisioned speed indicates a potential misconfiguration or a need for traffic shaping to control such events.

Conclusion

We recommend downgrading this link to a **10 Mbps** plan to align costs with typical usage and investigating the cause of the extreme peak traffic anomalies.

Visual Insights