## WAN Link Performance & Strategy Report

- **Location:** Pantnagar_Watches, Pantnagar
- **Vendor:** SB NETWORK
- **Link Type:** ILL
- **Business Hours:** 09:00–18:00
- **Provisioned Speed:** 100.0 Mbps

---

## 1. Usage Pattern Analysis

The link is significantly underutilized, with average usage at just 10.4% of its 100 Mbps capacity. Traffic patterns follow a predictable model, with higher demand during business hours. An anomalous peak of 5043 Mbps was recorded, which is a clear data collection or calculation error, as it is physically impossible for the link. Sustained usage patterns are much lower.

## 2. Capacity Planning Recommendations

The link is heavily over-provisioned. Based on the 95th percentile of 21.39 Mbps, which represents true sustained demand, we recommend right-sizing the circuit to better align with actual needs and reduce costs.

- **Conservative:** 26 Mbps
- **Balanced (Recommended):** 32 Mbps
- **Aggressive:** (Invalidated by data error)

We recommend adopting the **Balanced 32 Mbps** plan.

## 3. Performance Risks & Bottlenecks

Despite low average usage, the link experienced 56 minutes of congestion (>90% capacity), indicating a risk from intermittent traffic bursts. The anomalous peak far exceeds the provisioned limit and suggests a potential monitoring tool issue that requires investigation. A significant monthly growth rate of 18.87% must also be monitored closely.

## Conclusion

The link should be downgraded to a **32 Mbps** plan to align with current usage and reduce costs, with continued monitoring of the high growth rate for future planning.

# LinkEye

## Visual Insights



**2 Hour Average Bandwidth Usage**



**Bandwidth Usage Distribution**