



WAN Link Performance & Strategy Report

Location: Jammu CFA, Jammu
Vendor: BHARTI AIRTEL LIMITED
Link Type: ILL
Business Hours: 09:00–18:00
Provisioned Speed: 10.0 Mbps

1. Usage Pattern Analysis

The link is significantly underutilized, with average usage at only 0.4% of its 10 Mbps capacity. While usage is stable and predictable with no major difference between business and off-hours, the link experiences very brief, infrequent spikes that reach near-maximum capacity (9.87 Mbps). However, these peaks are anomalies, with the circuit operating above 90% capacity for only two minutes in the entire analysis period.

2. Capacity Planning Recommendations

The link is severely over-provisioned. Based on a sustained 95th percentile usage of just 0.05 Mbps, we recommend rightsizing the circuit to align with actual demand and achieve cost savings.

* **Conservative:** 2 Mbps
* **Balanced (Recommended):** 1 Mbps
* **Aggressive:** 0.5 Mbps

3. Performance Risks & Bottlenecks

There is no immediate risk of sustained congestion. The momentary peaks that saturate the link are too rare (less than 0.01% of the time) to impact overall performance or justify the current provisioning level. The existing capacity far exceeds operational requirements.

Conclusion

The link should be downgraded to a **1 Mbps** plan to eliminate wasteful spending while comfortably supporting all current and near-term projected traffic.

Visual Insights

