



WAN Link Performance & Strategy Report

****Location:**** Bhubaneswar CFA, Bhubaneswar

****Vendor:**** AIRTEL

****Link Type:**** ILL

****Business Hours:**** 09:00–18:00

****Provisioned Speed:**** 10.0 Mbps

1. Usage Pattern Analysis

The 10 Mbps link is significantly underutilized, with average usage at only 1.1% of its capacity. Traffic patterns are stable, with predictably higher demand during business hours that still remains exceptionally low (0.20 Mbps average). The overall usage trend is declining, indicating no future growth pressure on this circuit.

2. Capacity Planning Recommendations

This link is severely over-provisioned for current and projected needs. Based on sustained usage, where 95% of the time traffic is below 0.33 Mbps, we recommend rightsizing the circuit.

* ****Conservative:**** 4 Mbps

* ****Balanced:**** 2 Mbps

* ****Aggressive:**** 1 Mbps

A ****2 Mbps**** plan is the recommended balanced approach, providing an ample buffer for peak traffic.

3. Performance Risks & Bottlenecks

The risk of performance degradation from congestion is negligible. While brief, rare spikes have touched the 10 Mbps limit (totaling 16 minutes), these events are statistically insignificant and do not pose a business risk. There is no evidence of sustained congestion or performance bottlenecks related to link capacity.

Conclusion

This link should be downgraded from 10 Mbps to a ****2 Mbps**** plan to align with actual usage and realize significant cost savings without impacting performance.

Visual Insights

