



Bandwidth Performance & Capacity Report

****Location:**** CSB-Tanishq Store, Kolkata
****Vendor:**** BHARTI AIRTEL LIMITED
****Link Type:**** Internet Leased Line (ILL)
****Provisioned Speed:**** 35.0 Mbps

1. Usage Pattern Analysis

The link is significantly underutilized, with an average usage of only 0.45 Mbps (1.3% of capacity). While traffic is higher during business hours (0.76 Mbps), it remains very low. The recorded peak of 873 Mbps is an extreme anomaly, likely a data error or a brief, uncharacteristic burst, and does not reflect typical operational needs. Sustained daily peaks average only 2.33 Mbps, providing a more realistic high-water mark for usage.

2. Capacity Planning Recommendations

This 35 Mbps link is heavily over-provisioned for current needs. Based on sustained usage patterns, we recommend right-sizing the circuit.

- * ****Conservative:**** 2.0 Mbps
- * ****Balanced (Recommended):**** 3.0 Mbps
- * ****Aggressive:**** (Not viable due to data anomaly)

A ****3.0 Mbps**** plan would comfortably support typical peak demand while offering substantial cost-optimization opportunities.

3. Performance Risks & Bottlenecks

Despite low average use, traffic patterns are bursty. These short, intense bursts caused the link to exceed 90% capacity for a total of 34 minutes. However, with an overall SLA compliance of 99.94%, these momentary congestion events pose a minimal risk to operations and do not justify the current provisioning level.

Conclusion

We recommend downgrading this over-provisioned link from 35 Mbps to a ****3 Mbps plan**** to align capacity with demonstrated business requirements and reduce operational costs.

Visual Insights

