



WAN Link Performance & Strategy Report

****Location:**** Nagpur CFA, NAGPUR

****Vendor:**** GTPL

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

****Business Hours:**** 09:00–18:00

****Provisioned Speed:**** 20.0 Mbps

1. Usage Pattern Analysis

The link is significantly underutilized, with average usage at just 0.6% of its 20 Mbps capacity. Traffic is concentrated during business hours but remains extremely low. Analysis shows that for 99% of the time, usage is below 2.39 Mbps. The connection is mostly idle, punctuated by infrequent and very brief traffic spikes which represent anomalous behavior rather than a consistent workload.

2. Capacity Planning Recommendations

This circuit is heavily over-provisioned. We recommend right-sizing the link to better align with actual demand and achieve significant cost savings. The following options are proposed based on current and projected usage:

* ****Conservative:**** 10 Mbps

* ****Balanced (Recommended):**** 5 Mbps

* ****Aggressive:**** 3 Mbps

A revised speed of ****5 Mbps**** is the suggested target. This provides ample headroom over the 99th percentile peak while accommodating the observed monthly growth.

3. Performance Risks & Bottlenecks

There is no risk of sustained network congestion. However, a brief peak was recorded at 20.98 Mbps, momentarily exceeding the provisioned capacity. This indicates some applications generate high-volume, bursty traffic. The primary risk associated with this link is not performance, but financial inefficiency from maintaining an oversized circuit.

Conclusion

The link is severely over-provisioned and should be downgraded to a ****5 Mbps**** plan to align with operational needs and optimize costs.

Visual Insights

