



Network Performance & Capacity Report

****Location:**** KHR - Tanishq store, Mumbai
****Vendor:**** FASTNET BROADBAND SERVICES
****Link Type:**** Broadband
****Business Hours:**** 09:00–18:00
****Provisioned Speed:**** 200.0 Mbps

1. Usage Pattern Analysis

The 200 Mbps link is significantly underutilized, with average usage at just 1% of capacity. Network traffic is stable with no growth trend. Usage is slightly higher during business hours but remains minimal overall. The key anomaly is rare, short-duration bursts of traffic that have peaked at 315 Mbps, which is well above the provisioned speed.

2. Capacity Planning Recommendations

This link is heavily over-provisioned. Based on sustained usage, where 95% of traffic is below 8 Mbps, we recommend rightsizing the plan.

- ****Conservative:**** 9.6 Mbps
- ****Balanced (Recommended):**** 12 Mbps
- ****Aggressive:**** 347 Mbps

A 12 Mbps plan would comfortably handle routine demand and provide significant cost savings.

3. Performance Risks & Bottlenecks

The primary risk stems from the infrequent, high-demand bursts. While the ISP currently appears to allow traffic to exceed the 200 Mbps limit, this is not a guaranteed service feature. Relying on this could lead to performance throttling or packet loss during these brief, critical spikes in activity.

Conclusion

The link is significantly over-provisioned and should be downgraded to a more cost-effective plan, with a recommended new provisioning target of 12 Mbps.

Visual Insights

