



## WAN Link Performance & Strategy Report

**\*\*Location:\*\*** KOLKATA-38-RO-EAST, KOLKATA  
**\*\*Vendor:\*\*** RELIANCE JIO INFOCOMM LIMITED  
**\*\*Link Type:\*\*** DBB  
**\*\*Business Hours:\*\*** 09:00–18:00  
**\*\*Provisioned Speed:\*\*** 500.0 Mbps

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### 1. Usage Pattern Analysis

Overall bandwidth usage is extremely low, averaging only 1.4% of the provisioned 500 Mbps capacity. While usage correctly aligns with business hours, the link remains significantly under-utilized even during peak periods, with a sustained 1-hour peak average of only 34 Mbps. The trend is stable with negligible growth, indicating that current usage patterns are consistent and predictable.

### 2. Capacity Planning Recommendations

The link is heavily over-provisioned. Based on a 95th percentile usage of 35.46 Mbps, a much smaller circuit can reliably handle the workload. We recommend rightsizing the link based on the following strategy:

- **\*\*Conservative:\*\*** 42.6 Mbps
- **\*\*Balanced (Recommended):\*\*** 53 Mbps
- **\*\*Aggressive:\*\*** 1078 Mbps

A balanced provisioning target of **\*\*60 Mbps\*\*** would safely accommodate current demand plus a 15% buffer for future growth.

### 3. Performance Risks & Bottlenecks

The primary risk is financial waste from over-provisioning. While a rare peak of 980 Mbps was recorded—indicating a "burstable" link—it lasted for only three minutes. This shows that while brief, intense bursts are possible, they do not represent typical demand and pose a very low risk of sustained congestion or performance degradation.

### Conclusion

The link is significantly over-provisioned and should be downgraded to reduce operational costs; a new provisioning target of **\*\*60 Mbps\*\*** is recommended.

## Visual Insights

