# Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

| LSA | Parameters | Benchmarks | Generations | | AIRTEL | BSNL | MTNL | RJIL | VIL |
|---|---|---|---|---|---|---|---|---|---|
| | | | Report for quarter ending: March 2024 | | Compliance Status | | | | |
| Andhra Pradesh | Service Activation /Provisioning | Within 4 hrs with 95% success rate. | All Generations | | 100.00 | 100.00 | | 99.85 | 99.75 |
| | Successful data transmission download attempts | >80% | All Generations | | 100.00 | 98.35 | | 100.00 | 100.00 |
| | Successful data transmission upload attempts | >75% | All Generations | | 100.00 | 99.37 | | 100.00 | 100.00 |
| | Minimum download speed | To be measured for each plan by the service provider and reported to TRAI | 2G | Plan 1 | 117.01 | 61.48 | | | 77.65 |
| | | | 3G | Plan 1 | | 1,436.16 | | | |
| | | | 4G | Plans | 13,272.93 | 2,790.83 | | 8,535.75 | 25,759.05 |
| | Average Throughput for Packet data | >75% of the subscribed speed. | 2G | Plan 1 | 224.30 | 132.33 | | | 152.65 |
| | | | 3G | Plan 1 | | 3,036.67 | | | |
| | | | 4G | Plans | 39,391.00 | 5,514.00 | | 29,678.94 | 31,652.67 |
| | Latency | Data <250 | All Generations | | 77.83 | 100.13 | | 48.69 | 82.76 |
| | PDP Context Activation Success Rate | ≥95% | All Generations | | 99.76 | 97.56 | | 97.81 | 98.70 |
| | Drop rate | ≤5% | All Generations | | 0.46 | 1.39 | | 0.45 | 2.60 |
| Assam | Service Activation /Provisioning | Within 4 hrs with 95% success rate. | All Generations | | 100.00 | 100.00 | | 99.34 | 99.82 |
| | Successful data transmission download attempts | >80% | All Generations | | 100.00 | 99.41 | | 100.00 | 100.00 |
| | Successful data transmission upload attempts | >75% | All Generations | | 100.00 | 99.15 | | 100.00 | 100.00 |
| | Minimum download speed | To be measured for each plan by the service provider and reported to TRAI | 2G | Plan 1 | 94.11 | 91.66 | | | 83.86 |
| | | | 3G | Plan 1 | | 1,253.66 | | | 1,653.58 |
| | | | 4G | Plans | 15,663.73 | 832.33 | | 11,346.35 | 8,551.20 |
| | Average Throughput for Packet data (Kbps) | >75% of the subscribed speed. | 2G | Plan 1 | 98.91 | 159.66 | | | 119.38 |
| | | | 3G | Plan 1 | | 2,884.33 | | | 3,897.16 |
| | | | 4G | Plans | 21,283.66 | 4,371.00 | | 39,283.90 | 14,421.67 |
| | Latency | Data <250 | All Generations | | 112.83 | 161.09 | | 43.53 | 80.92 |
| | PDP Context Activation Success Rate | ≥95% | All Generations | | 99.46 | 98.51 | | 98.93 | 96.77 |
| | Drop rate | ≤5% | All Generations | | 1.16 | 1.27 | | 0.33 | 2.05 |

# Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

| LSA | Parameters | Benchmarks | Generations | | AIRTEL | BSNL | MTNL | RJIL | VIL |
|---|---|---|---|---|---|---|---|---|---|
| | | | **Report for quarter ending: March 2024** | | | **Compliance Status** | | | |
| Bihar | Service Activation /Provisioning | Within 4 hrs with 95% success rate. | All Generations | | 100.00 | 100.00 | | 99.95 | 99.82 |
| | Successful data transmission download attempts | >80% | All Generations | | 99.82 | 100.00 | | 100.00 | 100.00 |
| | Successful data transmission upload attempts | >75% | All Generations | | 99.94 | 100.00 | | 100.00 | 100.00 |
| | Minimum download speed | To be measured for each plan by the service provider and reported to TRAI | 2G | Plan 1 | 44.07 | 101.11 | | | 91.32 |
| | | | 3G | Plan 1 | | 902.00 | | | 5,054.14 |
| | | | 4G | Plans | 7,496.62 | 1,335.33 | | 10,550.49 | 12,101.83 |
| | Average Throughput for Packet data (Kbps) | >75% of the subscribed speed. | 2G | Plan 1 | 135.19 | 138.50 | | | 136.89 |
| | | | 3G | Plan 1 | | 1,562.33 | | | 7,088.83 |
| | | | 4G | Plans | 10,580.27 | 4,014.83 | | 27,210.08 | 23,389.56 |
| | Latency | Data <250 | All Generations | | 89.96 | 122.67 | | 49.73 | 58.37 |
| | PDP Context Activation Success Rate | ≥95% | All Generations | | 100.00 | 96.95 | | 99.15 | 99.54 |
| | Drop rate | ≤5% | All Generations | | 0.45 | 0.93 | | 0.36 | 1.10 |
| Delhi | Service Activation /Provisioning | Within 4 hrs with 95% success rate. | All Generations | | 100.00 | | 95.23 | 99.63 | 98.91 |
| | Successful data transmission download attempts | >80% | All Generations | | 100.00 | | 100.00 | 100.00 | 96.13 |
| | Successful data transmission upload attempts | >75% | All Generations | | 100.00 | | 100.00 | 100.00 | 100.00 |
| | Minimum download speed | To be measured for each plan by the service provider and reported to TRAI | 2G | Plan 1 | 92.59 | | 51.79 | | 56.00 |
| | | | 3G | Plan 1 | | | 1,440.42 | | 3,598.00 |
| | | | 4G | Plans | 7,706.21 | | | 8,150.29 | 11,153.00 |
| | Average Throughput for Packet data (Kbps) | >75% of the subscribed speed. | 2G | Plan 1 | 160.26 | | 116.96 | | 95.00 |
| | | | 3G | Plan 1 | | | 5,258.93 | | 9,259.00 |
| | | | 4G | Plans | 22,771.90 | | | 24,754.07 | 24,025.00 |
| | Latency | Data <250 | All Generations | | 135.17 | | 70.38 | 37.96 | 82.62 |
| | PDP Context Activation Success Rate | ≥95% | All Generations | | 99.36 | | 100.00 | 98.80 | 97.69 |
| | Drop rate | ≤5% | All Generations | | 0.75 | | 2.84 | 0.36 | 0.35 |

| LSA | Parameters | Benchmarks | Generations | | AIRTEL | BSNL | MTNL | RJIL | VIL |
|---|---|---|---|---|---|---|---|---|---|
| | | | **Report for quarter ending: March 2024** | | Compliance Status | | | | |
| Gujarat | Service Activation /Provisioning | Within 4 hrs with 95% success rate. | All Generations | | 100.00 | 99.00 | | 99.84 | 98.45 |
| | Successful data transmission download attempts | >80% | All Generations | | 100.00 | 98.67 | | 100.00 | 100.00 |
| | Successful data transmission upload attempts | >75% | All Generations | | 100.00 | 98.67 | | 100.00 | 100.00 |
| | Minimum download speed | To be measured for each plan by the service provider and reported to TRAI | 2G | Plan 1 | 91.23 | 96.67 | | | 90.35 |
| | | | 3G | Plan 1 | | 1,611.00 | | | |
| | | | 4G | Plans | 25,635.37 | 4,773.00 | | 11,269.53 | 17,325.12 |
| | Average Throughput for Packet data (Kbps) | >75% of the subscribed speed. | 2G | Plan 1 | 128.76 | 104.33 | | | 164.46 |
| | | | 3G | Plan 1 | | 2,588.00 | | | |
| | | | 4G | Plans | 46,694.89 | 5,803.67 | | 24,953.90 | 31,187.34 |
| | Latency | Data <250 | All Generations | | 134.17 | 77.33 | | 42.45 | 70.27 |
| | PDP Context Activation Success Rate | ≥95% | All Generations | | 99.57 | 99.92 | | 98.94 | 99.95 |
| | Drop rate | ≤5% | All Generations | | 1.81 | 1.30 | | 0.28 | 0.74 |
| Haryana | Service Activation /Provisioning | Within 4 hrs with 95% success rate. | All Generations | | 100.00 | 98.33 | | 99.80 | 99.33 |
| | Successful data transmission download attempts | >80% | All Generations | | 100.00 | 86.67 | | 100.00 | 100.00 |
| | Successful data transmission upload attempts | >75% | All Generations | | 100.00 | 88.33 | | 100.00 | 100.00 |
| | Minimum download speed | To be measured for each plan by the service provider and reported to TRAI | 2G | Plan 1 | 100.08 | 149.00 | | | 72.87 |
| | | | 3G | Plan 1 | | 1,629.00 | | | 5,277.89 |
| | | | 4G | Plans | 15,477.34 | 2,238.67 | | 9,664.65 | 7,602.25 |
| | Average Throughput for Packet data (Kbps) | >75% of the subscribed speed. | 2G | Plan 1 | 223.92 | 186.33 | | | 86.49 |
| | | | 3G | Plan 1 | | 1,856.00 | | | 10,412.13 |
| | | | 4G | Plans | 47,641.70 | 4,642.66 | | 27,326.24 | 14,197.78 |
| | Latency | Data <250 | All Generations | | 123.50 | 94.33 | | 56.21 | 74.54 |
| | PDP Context Activation Success Rate | ≥95% | All Generations | | 99.57 | 96.95 | | 99.16 | 97.92 |
| | Drop rate | ≤5% | All Generations | | 0.55 | 3.27 | | 0.32 | 0.85 |

# Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

| | | Report for quarter ending: March 2024 | | | Compliance Status | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **LSA** | **Parameters** | **Benchmarks** | **Generations** | | **AIRTEL** | **BSNL** | **MTNL** | **RJIL** | **VIL** |
| Himachal Pradesh | Service Activation /Provisioning | Within 4 hrs with 95% success rate. | All Generations | | 100.00 | 100.00 | | 99.75 | 99.94 |
| | Successful data transmission download attempts | >80% | All Generations | | 100.00 | 100.00 | | 100.00 | 100.00 |
| | Successful data transmission upload attempts | >75% | All Generations | | 100.00 | 99.67 | | 100.00 | 100.00 |
| | Minimum download speed | To be measured for each plan by the service provider and reported to TRAI | 2G | Plan 1 | 136.37 | 71.33 | | | 80.72 |
| | | | 3G | Plan 1 | | 578.00 | | | 1,753.03 |
| | | | 4G | Plans | 8,249.98 | 1,605.00 | | 15,526.38 | 6,832.44 |
| | Average Throughput for Packet data (Kbps) | >75% of the subscribed speed. | 2G | Plan 1 | 222.11 | 101.67 | | | 141.35 |
| | | | 3G | Plan 1 | | 2,518.33 | | | 4,548.84 |
| | | | 4G | Plans | 41,468.00 | 8,062.00 | | 28,592.63 | 15,188.98 |
| | Latency | Data <250 | All Generations | | 135.43 | 94.67 | | 41.85 | 95.81 |
| | PDP Context Activation Success Rate | ≥95% | All Generations | | 99.48 | 99.80 | | 99.23 | 98.33 |
| | Drop rate | ≤5% | All Generations | | 0.46 | 0.67 | | 0.31 | 1.12 |
| Jammu & Kashmir | Service Activation /Provisioning | Within 4 hrs with 95% success rate. | All Generations | | 100.00 | 97.33 | | 99.92 | 99.01 |
| | Successful data transmission download attempts | >80% | All Generations | | 100.00 | 97.62 | | 100.00 | 100.00 |
| | Successful data transmission upload attempts | >75% | All Generations | | 100.00 | 85.43 | | 100.00 | 100.00 |
| | Minimum download speed | To be measured for each plan by the service provider and reported to TRAI | 2G | Plan 1 | 173.67 | 81.10 | | | 108.60 |
| | | | 3G | Plan 1 | | 218.27 | | | 1,534.10 |
| | | | 4G | Plans | 12,195.67 | 460.63 | | 7,581.18 | 6,713.40 |
| | Average Throughput for Packet data (Kbps) | >75% of the subscribed speed. | 2G | Plan 1 | 221.33 | 224.42 | | | 231.10 |
| | | | 3G | Plan 1 | | 1,404.36 | | | 4,085.60 |
| | | | 4G | Plans | 13,411.33 | 6,585.84 | | 22,319.48 | 13,026.00 |
| | Latency | Data <250 | All Generations | | 120.17 | 109.33 | | 36.35 | 91.65 |
| | PDP Context Activation Success Rate | ≥95% | All Generations | | 100.00 | 97.64 | | 99.73 | 98.73 |
| | Drop rate | ≤5% | All Generations | | 0.78 | 2.01 | | 0.30 | 1.24 |

# Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

| LSA | Parameters | Benchmarks | Generations | | AIRTEL | BSNL | MTNL | RJIL | VIL |
|-----|-----------|-----------|-------------|---|--------|------|------|------|-----|
| | | Report for quarter ending: March 2024 | | | Compliance Status | | | | |
| Karnataka | Service Activation /Provisioning | Within 4 hrs with 95% success rate. | All Generations | | 100.00 | 100.00 | | 98.57 | 99.85 |
| | Successful data transmission download attempts | >80% | All Generations | | 100.00 | 99.67 | | 100.00 | 100.00 |
| | Successful data transmission upload attempts | >75% | All Generations | | 100.00 | 96.78 | | 100.00 | 100.00 |
| | Minimum download speed | To be measured for each plan by the service provider and reported to TRAI | 2G | Plan 1 | 69.55 | 150.19 | | | 72.00 |
| | | | 3G | Plan 1 | | 3,626.12 | | | 4,188.75 |
| | | | 4G | Plans | 7,532.74 | 7,659.52 | | 9,530.53 | 13,226.86 |
| | Average Throughput for Packet data (Kbps) | >75% of the subscribed speed. | 2G | Plan 1 | 166.28 | 175.79 | | | 92.00 |
| | | | 3G | Plan 1 | | 4,563.75 | | | 8,354.42 |
| | | | 4G | Plans | 17,354.79 | 8,719.02 | | 29,327.11 | 22,604.99 |
| | Latency | Data <250 | All Generations | | 113.03 | 103.29 | | 47.06 | 76.18 |
| | PDP Context Activation Success Rate | ≥95% | All Generations | | 99.58 | 96.05 | | 98.35 | 98.67 |
| | Drop rate | ≤5% | All Generations | | 0.41 | 0.59 | | 0.41 | 1.10 |
| Kerala | Service Activation /Provisioning | Within 4 hrs with 95% success rate. | All Generations | | 100.00 | 99.03 | | 99.71 | 99.52 |
| | Successful data transmission download attempts | >80% | All Generations | | 100.00 | 98.06 | | 100.00 | 100.00 |
| | Successful data transmission upload attempts | >75% | All Generations | | 100.00 | 95.01 | | 100.00 | 100.00 |
| | Minimum download speed | To be measured for each plan by the service provider and reported to TRAI | 2G | Plan 1 | 78.49 | 42.26 | | | 142.96 |
| | | | 3G | Plan 1 | | 801.52 | | | |
| | | | 4G | Plans | 7,313.95 | 1,291.72 | | 11,192.40 | 15,685.31 |
| | Average Throughput for Packet data (Kbps) | >75% of the subscribed speed. | 2G | Plan 1 | 126.01 | 74.33 | | | 206.36 |
| | | | 3G | Plan 1 | | 1,507.07 | | | |
| | | | 4G | Plans | 14,923.19 | 2,805.20 | | 26,028.97 | 43,553.54 |
| | Latency | Data <250 | All Generations | | 154.83 | 114.42 | | 41.04 | 92.19 |
| | PDP Context Activation Success Rate | ≥95% | All Generations | | 99.59 | 96.49 | | 98.23 | 98.20 |
| | Drop rate | ≤5% | All Generations | | 0.87 | 0.68 | | 0.40 | 1.45 |

| LSA | Parameters | Benchmarks | Generations | | AIRTEL | BSNL | MTNL | RJIL | VIL |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | **Compliance Status** | | | | |
| Kolkata | Service Activation /Provisioning | Within 4 hrs with 95% success rate. | All Generations | | 100.00 | 100.00 | | 99.76 | 99.84 |
| | Successful data transmission download attempts | >80% | All Generations | | 100.00 | 97.33 | | 100.00 | 100.00 |
| | Successful data transmission upload attempts | >75% | All Generations | | 100.00 | 96.67 | | 100.00 | 100.00 |
| | Minimum download speed | To be measured for each plan by the service provider and reported to TRAI | 2G | Plan 1 | 23.51 | 105.33 | | | 113.00 |
| | | | 3G | Plan 1 | | 1,711.67 | | | |
| | | | 4G | Plans | 28,031.00 | 3,378.33 | | 6,980.59 | 12,307.00 |
| | Average Throughput for Packet data (Kbps) | >75% of the subscribed speed. | 2G | Plan 1 | 28.07 | 148.00 | | | 160.00 |
| | | | 3G | Plan 1 | | 2,715.00 | | | |
| | | | 4G | Plans | 34,131.27 | 4,906.67 | | 24,458.02 | 16,901.00 |
| | Latency | Data <250 | All Generations | | 127.13 | 95.00 | | 37.44 | 85.43 |
| | PDP Context Activation Success Rate | ≥95% | All Generations | | 99.51 | 99.84 | | 99.39 | 99.97 |
| | Drop rate | ≤5% | All Generations | | 0.52 | 0.76 | | 0.21 | 0.97 |
| Madhya Pradesh | Service Activation /Provisioning | Within 4 hrs with 95% success rate. | All Generations | | 100.00 | 99.67 | | 99.95 | 99.87 |
| | Successful data transmission download attempts | >80% | All Generations | | 100.00 | 100.00 | | 100.00 | 99.89 |
| | Successful data transmission upload attempts | >75% | All Generations | | 100.00 | 100.00 | | 100.00 | 99.94 |
| | Minimum download speed | To be measured for each plan by the service provider and reported to TRAI | 2G | Plan 1 | 82.44 | 104.33 | | | 84.27 |
| | | | 3G | Plan 1 | | 1,495.33 | | | 3,414.33 |
| | | | 4G | Plans | 4,709.58 | 16,947.67 | | 16,193.33 | 8,520.48 |
| | Average Throughput for Packet data (Kbps) | >75% of the subscribed speed. | 2G | Plan 1 | 186.91 | 168.00 | | | 118.66 |
| | | | 3G | Plan 1 | | 2,697.67 | | | 5,441.07 |
| | | | 4G | Plans | 27,011.15 | 25,783.67 | | 43,699.46 | 30,447.82 |
| | Latency | Data <250 | All Generations | | 70.56 | 105.00 | | 53.93 | 80.14 |
| | PDP Context Activation Success Rate | ≥95% | All Generations | | 99.74 | 98.83 | | 99.14 | 97.24 |
| | Drop rate | ≤5% | All Generations | | 1.14 | 1.17 | | 0.31 | 1.22 |

**Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services**

Report for quarter ending: March 2024

# Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

| | | | Report for quarter ending: March 2024 | | Compliance Status | | | | |
|---|---|---|---|---|---|---|---|---|---|
| LSA | Parameters | Benchmarks | Generations | | AIRTEL | BSNL | MTNL | RJIL | VIL |
| Maharashtra | Service Activation /Provisioning | Within 4 hrs with 95% success rate. | All Generations | | 100.00 | 99.23 | | 99.87 | 98.75 |
| | Successful data transmission download attempts | >80% | All Generations | | 100.00 | 98.40 | | 100.00 | 98.94 |
| | Successful data transmission upload attempts | >75% | All Generations | | 100.00 | 95.80 | | 100.00 | 100.00 |
| | Minimum download speed | To be measured for each plan by the service provider and reported to TRAI | 2G | Plan 1 | 57.67 | 103.33 | | | 91.25 |
| | | | 3G | Plan 1 | | 4,077.00 | | | |
| | | | 4G | Plans | 9,001.67 | 6,228.67 | | 9,626.45 | 14,050.44 |
| | Average Throughput for Packet data (Kbps) | >75% of the subscribed speed. | 2G | Plan 1 | 71.67 | 120.00 | | | 175.93 |
| | | | 3G | Plan 1 | | 4,144.00 | | | |
| | | | 4G | Plans | 20,080.66 | 6,144.33 | | 26,939.12 | 30,409.88 |
| | Latency | Data <250 | All Generations | | 106.83 | 110.67 | | 56.39 | 59.01 |
| | PDP Context Activation Success Rate | ≥95% | All Generations | | 100.00 | 98.49 | | 98.35 | 95.54 |
| | Drop rate | ≤5% | All Generations | | 1.66 | 1.53 | | 0.38 | 0.37 |
| Mumbai | Service Activation /Provisioning | Within 4 hrs with 95% success rate. | All Generations | | 100.00 | | 98.76 | 99.07 | 98.24 |
| | Successful data transmission download attempts | >80% | All Generations | | 100.00 | | 100.00 | 100.00 | 100.00 |
| | Successful data transmission upload attempts | >75% | All Generations | | 100.00 | | 100.00 | 100.00 | 100.00 |
| | Minimum download speed | To be measured for each plan by the service provider and reported to TRAI | 2G | Plan 1 | 88.20 | | 57.80 | | 106.48 |
| | | | 3G | Plan 1 | | | 731.85 | | |
| | | | 4G | Plans | 6,687.81 | | | 8,968.71 | 8,800.67 |
| | Average Throughput for Packet data (Kbps) | >75% of the subscribed speed. | 2G | Plan 1 | 180.40 | | 86.86 | | 193.12 |
| | | | 3G | Plan 1 | | | 832.46 | | |
| | | | 4G | Plans | 9,308.53 | | | 31,500.40 | 23,040.33 |
| | Latency | Data <250 | All Generations | | 71.17 | | 241.56 | 35.88 | 70.50 |
| | PDP Context Activation Success Rate | ≥95% | All Generations | | 99.57 | | 100.00 | 98.94 | 99.57 |
| | Drop rate | ≤5% | All Generations | | 2.19 | | 4.64 | 0.36 | 0.48 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services** | | | | | | | | |
| **Report for quarter ending: March 2024** | | | | **Compliance Status** | | | | |
| **LSA** | **Parameters** | **Benchmarks** | **Generations** | | **AIRTEL** | **BSNL** | **MTNL** | **RJIL** | **VIL** |
| North East | Service Activation /Provisioning | Within 4 hrs with 95% success rate. | All Generations | | 100.00 | 100.00 | | 99.96 | 99.88 |
| | Successful data transmission download attempts | >80% | All Generations | | 100.00 | 100.00 | | 100.00 | 100.00 |
| | Successful data transmission upload attempts | >75% | All Generations | | 100.00 | 100.00 | | 100.00 | 100.00 |
| | Minimum download speed | To be measured for each plan by the service provider and reported to TRAI | 2G | Plan 1 | 98.12 | 18.43 | | | 82.88 |
| | | | 3G | Plan 1 | | 239.33 | | | 1,461.99 |
| | | | 4G | Plans | 10,516.57 | 370.66 | | 8,906.87 | 7,182.68 |
| | Average Throughput for Packet data (Kbps) | >75% of the subscribed speed. | 2G | Plan 1 | 111.75 | 191.00 | | | 122.34 |
| | | | 3G | Plan 1 | | 1,191.00 | | | 3,215.92 |
| | | | 4G | Plans | 14,008.15 | 3,237.00 | | 22,231.44 | 11,446.29 |
| | Latency | Data <250 | All Generations | | 112.33 | 115.00 | | 49.19 | 81.45 |
| | PDP Context Activation Success Rate | ≥95% | All Generations | | 99.08 | 96.90 | | 99.18 | 96.77 |
| | Drop rate | ≤5% | All Generations | | 1.19 | 2.22 | | 0.51 | 2.74 |
| Odisha | Service Activation /Provisioning | Within 4 hrs with 95% success rate. | All Generations | | 100.00 | 100.00 | | 99.94 | 99.46 |
| | Successful data transmission download attempts | >80% | All Generations | | 100.00 | 100.00 | | 100.00 | 100.00 |
| | Successful data transmission upload attempts | >75% | All Generations | | 100.00 | 100.00 | | 100.00 | 100.00 |
| | Minimum download speed | To be measured for each plan by the service provider and reported to TRAI | 2G | Plan 1 | 127.02 | 30.00 | | | 118.72 |
| | | | 3G | Plan 1 | | 441.33 | | | 5,544.78 |
| | | | 4G | Plans | 9,712.87 | 3,004.00 | | 16,593.04 | 21,210.30 |
| | Average Throughput for Packet data (Kbps) | >75% of the subscribed speed. | 2G | Plan 1 | 212.13 | 134.67 | | | 178.70 |
| | | | 3G | Plan 1 | | 1,314.00 | | | 7,563.21 |
| | | | 4G | Plans | 20,750.11 | 4,971.00 | | 41,857.16 | 24,843.43 |
| | Latency | Data <250 | All Generations | | 91.41 | 37.67 | | 42.04 | 50.75 |
| | PDP Context Activation Success Rate | ≥95% | All Generations | | 99.46 | 97.76 | | 98.93 | 99.94 |
| | Drop rate | ≤5% | All Generations | | 0.71 | 1.26 | | 0.39 | 0.24 |

# Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

| LSA | Parameters | Benchmarks | Generations | | AIRTEL | BSNL | MTNL | RJIL | VIL |
|---|---|---|---|---|---|---|---|---|---|
| | | | **Report for quarter ending: March 2024** | | **Compliance Status** | | | | |
| Punjab | Service Activation /Provisioning | Within 4 hrs with 95% success rate. | All Generations | | 100.00 | 100.00 | | 99.75 | 98.71 |
| | Successful data transmission download attempts | >80% | All Generations | | 100.00 | 97.39 | | 100.00 | 100.00 |
| | Successful data transmission upload attempts | >75% | All Generations | | 100.00 | 97.46 | | 100.00 | 100.00 |
| | Minimum download speed | To be measured for each plan by the service provider and reported to TRAI | 2G | Plan 1 | 31.50 | 104.23 | | | 79.90 |
| | | | 3G | Plan 1 | | 2,723.08 | | | 2,061.80 |
| | | | 4G | Plans | 16,610.00 | 7,184.10 | | 9,389.70 | 8,467.50 |
| | Average Throughput for Packet data (Kbps) | >75% of the subscribed speed. | 2G | Plan 1 | 89.51 | 130.41 | | | 129.39 |
| | | | 3G | Plan 1 | | 3,655.39 | | | 6,230.21 |
| | | | 4G | Plans | 53,806.67 | 17,697.23 | | 21,882.48 | 18,872.97 |
| | Latency | Data <250 | All Generations | | 136.33 | 112.58 | | 50.31 | 81.09 |
| | PDP Context Activation Success Rate | ≥95% | All Generations | | 99.41 | 98.86 | | 98.80 | 97.90 |
| | Drop rate | ≤5% | All Generations | | 0.39 | 1.14 | | 0.28 | 1.19 |
| Rajasthan | Service Activation /Provisioning | Within 4 hrs with 95% success rate. | All Generations | | 100.00 | 98.73 | | 99.89 | 98.94 |
| | Successful data transmission download attempts | >80% | All Generations | | 100.00 | 100.00 | | 100.00 | 99.78 |
| | Successful data transmission upload attempts | >75% | All Generations | | 100.00 | 100.00 | | 100.00 | 99.94 |
| | Minimum download speed | To be measured for each plan by the service provider and reported to TRAI | 2G | Plan 1 | 124.31 | 94.55 | | | 90.00 |
| | | | 3G | Plan 1 | | 2,836.79 | | | 3,935.00 |
| | | | 4G | Plans | 29,297.34 | | | 11,509.21 | 15,368.00 |
| | Average Throughput for Packet data (Kbps) | >75% of the subscribed speed. | 2G | Plan 1 | 136.15 | 148.69 | | | 151.00 |
| | | | 3G | Plan 1 | | 4,776.93 | | | 6,987.00 |
| | | | 4G | Plans | 38,476.65 | | | 25,168.76 | 31,783.00 |
| | Latency | Data <250 | All Generations | | 111.00 | 134.58 | | 51.83 | 88.34 |
| | PDP Context Activation Success Rate | ≥95% | All Generations | | 99.52 | 99.80 | | 99.08 | 99.91 |
| | Drop rate | ≤5% | All Generations | | 0.63 | 1.50 | | 0.43 | 0.53 |

# Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

| | | Report for quarter ending: March 2024 | | | Compliance Status | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **LSA** | **Parameters** | **Benchmarks** | **Generations** | | **AIRTEL** | **BSNL** | **MTNL** | **RJIL** | **VIL** |
| Tamilnadu | Service Activation /Provisioning | Within 4 hrs with 95% success rate. | All Generations | | 100.00 | 100.00 | | 99.21 | 99.50 |
| | Successful data transmission download attempts | >80% | All Generations | | 100.00 | 97.64 | | 100.00 | 100.00 |
| | Successful data transmission upload attempts | >75% | All Generations | | 100.00 | 97.69 | | 100.00 | 100.00 |
| | Minimum download speed | To be measured for each plan by the service provider and reported to TRAI | 2G | Plan 1 | 108.98 | 55.32 | | | 100.71 |
| | | | 3G | Plan 1 | | 575.23 | | | 4,011.49 |
| | | | 4G | Plans | 22,635.15 | 1,171.48 | | 8,253.26 | 10,459.04 |
| | Average Throughput for Packet data (Kbps) | >75% of the subscribed speed. | 2G | Plan 1 | 138.09 | 106.92 | | | 176.10 |
| | | | 3G | Plan 1 | | 1,252.68 | | | 8,071.36 |
| | | | 4G | Plans | 31,050.90 | 2,704.33 | | 23,872.49 | 20,448.17 |
| | Latency | Data <250 | All Generations | | 100.96 | 247.18 | | 45.82 | 54.14 |
| | PDP Context Activation Success Rate | ≥95% | All Generations | | 99.50 | 99.58 | | 98.09 | 97.50 |
| | Drop rate | ≤5% | All Generations | | 0.45 | 0.29 | | 0.43 | 1.22 |
| Uttar Pradesh (East) | Service Activation /Provisioning | Within 4 hrs with 95% success rate. | All Generations | | 100.00 | 96.28 | | 99.94 | 99.84 |
| | Successful data transmission download attempts | >80% | All Generations | | 100.00 | 88.17 | | 100.00 | 100.00 |
| | Successful data transmission upload attempts | >75% | All Generations | | 100.00 | 84.62 | | 100.00 | 100.00 |
| | Minimum download speed | To be measured for each plan by the service provider and reported to TRAI | 2G | Plan 1 | 85.27 | 128.00 | | | 70.31 |
| | | | 3G | Plan 1 | | 3,793.00 | | | 4,958.09 |
| | | | 4G | Plans | 3,832.27 | 18,167.00 | | 8,678.65 | 11,452.98 |
| | Average Throughput for Packet data (Kbps) | >75% of the subscribed speed. | 2G | Plan 1 | 263.57 | 135.00 | | | 143.05 |
| | | | 3G | Plan 1 | | 3,942.33 | | | 7,720.83 |
| | | | 4G | Plans | 10,391.64 | 18,427.33 | | 27,393.14 | 25,667.95 |
| | Latency | Data <250 | All Generations | | 133.17 | 120.00 | | 42.75 | 79.12 |
| | PDP Context Activation Success Rate | ≥95% | All Generations | | 100.00 | 99.52 | | 98.96 | 98.75 |
| | Drop rate | ≤5% | All Generations | | 0.60 | 0.96 | | 0.31 | 1.07 |

| LSA | Parameters | Benchmarks | Generations | | AIRTEL | BSNL | MTNL | RJIL | VIL |
|---|---|---|---|---|---|---|---|---|---|
| | | | | **Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services** | | | | | |
| | | | **Report for quarter ending: March 2024** | | **Compliance Status** | | | | |
| Uttar Pradesh (West) | Service Activation /Provisioning | Within 4 hrs with 95% success rate. | All Generations | | 100.00 | 96.40 | | 99.94 | 99.75 |
| | Successful data transmission download attempts | >80% | All Generations | | 100.00 | 93.23 | | 100.00 | 100.00 |
| | Successful data transmission upload attempts | >75% | All Generations | | 100.00 | 91.43 | | 100.00 | 100.00 |
| | Minimum download speed | To be measured for each plan by the service provider and reported to TRAI | 2G | Plan 1 | 94.95 | 97.33 | | | 63.00 |
| | | | 3G | Plan 1 | | 1,984.33 | | | 4,242.00 |
| | | | 4G | Plans | 7,961.77 | 13,825.33 | | 10,405.25 | 16,671.00 |
| | Average Throughput for Packet data (Kbps) | >75% of the subscribed speed. | 2G | Plan 1 | 127.18 | 180.67 | | | 84.00 |
| | | | 3G | Plan 1 | | 2,980.33 | | | 5,804.00 |
| | | | 4G | Plans | 15,675.40 | 23,976.00 | | 26,009.01 | 19,622.00 |
| | Latency | Data <250 | All Generations | | 77.17 | 163.00 | | 45.13 | 63.62 |
| | PDP Context Activation Success Rate | ≥95% | All Generations | | 99.59 | **93.81** | | 98.91 | 99.72 |
| | Drop rate | ≤5% | All Generations | | 0.63 | 2.40 | | 0.29 | 1.58 |
| West Bengal | Service Activation /Provisioning | Within 4 hrs with 95% success rate. | All Generations | | 100.00 | 97.49 | | 99.96 | 99.96 |
| | Successful data transmission download attempts | >80% | All Generations | | 100.00 | 97.31 | | 100.00 | 97.89 |
| | Successful data transmission upload attempts | >75% | All Generations | | 100.00 | 98.64 | | 100.00 | 100.00 |
| | Minimum download speed | To be measured for each plan by the service provider and reported to TRAI | 2G | Plan 1 | 46.45 | 53.00 | | | 107.00 |
| | | | 3G | Plan 1 | | 1,026.03 | | | 3,467.00 |
| | | | 4G | Plans | 16,729.98 | 2,527.23 | | 14,488.26 | 18,929.00 |
| | Average Throughput for Packet data (Kbps) | >75% of the subscribed speed. | 2G | Plan 1 | 121.94 | 105.05 | | | 126.00 |
| | | | 3G | Plan 1 | | 2,361.19 | | | 6,336.00 |
| | | | 4G | Plans | 67,655.46 | 7,529.05 | | 32,731.61 | 30,348.00 |
| | Latency | Data <250 | All Generations | | 73.33 | 110.00 | | 48.39 | 91.19 |
| | PDP Context Activation Success Rate | ≥95% | All Generations | | 99.85 | 96.27 | | 99.20 | 99.89 |
| | Drop rate | ≤5% | All Generations | | 1.24 | 1.45 | | 0.27 | 1.21 |

# Technology Wise Latency
# at LSA and National Level
# for QE March 2024

| S.No. | LSA | Bharti Airtel | | | | BSNL | | | | MTNL | | | | RJIL | VIL | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2G | 3G | 4G | ALL Gen | 2G | 3G | 4G | ALL Gen | 2G | 3G | 4G | ALL Gen | 4G | 2G | 3G | 4G | ALL Gen |
| 1 | Andhra Pradesh | 134.00 | NA | 22.00 | 78.00 | 100.66 | 99.61 | - | 100.13 | | | | | 48.69 | 122.81 | | 42.71 | 82.76 |
| 2 | Assam | 190.00 | NA | 36.00 | 113.00 | 225.14 | 169.05 | 89.08 | 161.09 | | | | | 43.53 | 115.04 | 78.72 | 49.01 | 80.92 |
| 3 | Bihar | 134.00 | NA | 46.00 | 90.00 | 203.00 | 110.00 | 55.00 | 122.66 | | | | | 49.73 | 81.02 | 54.15 | 39.94 | 58.37 |
| 4 | Delhi | 233.00 | NA | 38.00 | 136.00 | | | | | 109.24 | 31.52 | NA | 70.38 | 37.96 | 134.25 | 87.92 | 25.70 | 82.62 |
| 5 | Gujarat | 231.00 | NA | 38.00 | 135.00 | 142.00 | 59.00 | 31.00 | 77.33 | | | | | 42.45 | 107.25 | | 33.29 | 70.27 |
| 6 | Haryana | 209.00 | NA | 38.00 | 124.00 | 124.00 | 89.00 | 70.00 | 94.33 | | | | | 56.21 | 144.92 | 29.73 | 48.90 | 74.54 |
| 7 | Himachal Pradesh | 235.00 | NA | 36.00 | 136.00 | 142.00 | 71.00 | 71.00 | 94.66 | | | | | 41.85 | 147.47 | 97.85 | 42.11 | 95.81 |
| 8 | Jammu & Kashmir | 184.00 | NA | 56.00 | 120.00 | 147.60 | 87.70 | 92.69 | 109.33 | | | | | 36.35 | 137.49 | 92.08 | 45.38 | 91.65 |
| 9 | Karnataka | 193.00 | NA | 33.00 | 113.00 | 169.83 | 59.16 | 80.88 | 103.29 | | | | | 47.06 | 129.88 | 50.98 | 47.67 | 76.18 |
| 10 | Kerala | 264.00 | NA | 45.00 | 155.00 | 202.00 | 81.00 | 60.00 | 114.42 | | | | | 41.04 | 141.89 | | 42.49 | 92.19 |
| 11 | Kolkata | 225.00 | NA | 29.00 | 127.00 | 169.67 | 93.67 | 21.67 | 95.00 | | | | | 37.44 | 125.57 | | 45.30 | 85.43 |
| 12 | Madhya Pradesh | 124.00 | NA | 17.00 | 71.00 | 153.00 | 92.00 | 70.00 | 105.00 | | | | | 53.93 | 108.17 | 96.58 | 35.61 | 80.14 |
| 13 | Maharashtra | 189.00 | NA | 25.00 | 107.00 | 243.00 | 20.00 | 69.00 | 110.66 | | | | | 56.39 | 91.88 | | 26.14 | 59.01 |
| 14 | Mumbai | 112.00 | NA | 30.00 | 71.00 | | | | | 378.54 | 104.58 | NA | 241.56 | 35.88 | 115.09 | | 25.90 | 70.50 |
| 15 | North East | 183.00 | NA | 41.00 | 112.00 | 193.00 | 92.00 | 60.00 | 115.00 | | | | | 49.19 | 110.96 | 88.19 | 45.22 | 81.45 |
| 16 | Odisha | 155.00 | NA | 27.00 | 91.00 | 50.00 | 42.00 | 21.00 | 37.66 | | | | | 42.04 | 102.22 | 33.16 | 16.86 | 50.75 |
| 17 | Punjab | 240.00 | NA | 33.00 | 137.00 | 178.30 | 94.66 | 64.78 | 112.58 | | | | | 50.31 | 133.69 | 67.94 | 41.66 | 81.09 |
| 18 | Rajasthan | 187.00 | NA | 35.00 | 111.00 | 187.30 | 81.87 | 0.00 | 134.58 | | | | | 51.83 | 136.81 | 95.24 | 32.98 | 88.34 |
| 19 | Tamilnadu including Chennai | 161.00 | NA | 41.00 | 101.00 | 367.44 | 221.04 | 153.07 | 247.18 | | | | | 45.82 | 101.04 | 30.89 | 30.50 | 54.14 |
| 20 | Uttar Pradesh (East) | 221.00 | NA | 45.00 | 133.00 | 196.66 | 105.60 | 58.00 | 120.00 | | | | | 42.75 | 148.93 | 53.70 | 34.71 | 79.12 |
| 21 | Uttar Pradesh (West) | 116.00 | NA | 38.00 | 77.00 | 222.00 | 163.00 | 104.00 | 163.00 | | | | | 45.13 | 116.59 | 38.99 | 35.27 | 63.62 |
| 22 | West Bengal | 99.00 | NA | 48.00 | 74.00 | 177.00 | 43.00 | - | 110.00 | | | | | 48.39 | 144.81 | 80.78 | 48.00 | 91.19 |
| | National | 182.68 | NA | 36.23 | 109.64 | 179.68 | 93.71 | 65.06 | 116.40 | 243.89 | 68.05 | NA | 155.97 | 45.64 | 121.08 | 65.72 | 37.29 | 75.95 |