

**Network Service Quality Performance Report for the Quarter ending December 2018**

Name of Service Area / City	Network Availability		Connection Establishment (Accessibility)			Connection Maintenance (Retainability)			POI
	BS Accumulated down-time (not available for service) (%age)	Worst affected BSs due to down-time (%age)	Call Set-up Success Rate and Session Establishment Success Rate for Circuit Switched Voice or VoLTE as applicable(within licensee's own network)	SDCCH/ Paging Channel Congestion/ RRC Congestion (%age)	TCH, RAB and E-RAB Congestion (%age)	Network QoS DCR Spatial Distribution Measure [Network_QSD(90,90)]	Network QoS DCR Temporal Distribution Measure [Network_QTD(97,90)]	Connections with good voice quality, Circuit Switched Voice Quality and VoLTE quality	Point of Interconnection (POI) Congestion (on individual POI) - No. of POIs not meeting the benchmark
1	5	7	8	9	10	13	14	15	16
<b>Benchmark</b>	≤ 2%	≤ 2%	≥ 95%	≤ 1%	≤ 2%	≤ 2%	≤ 3%	≥ 95%	≤ 0.5%
<b>Andhra Pradesh</b>	0.06	0.17	99.63	0.004	0.003	0.33	0.41	99.92	0
<b>Assam</b>	0.36	1.40	99.55	0.010	0.002	0.55	0.65	99.89	0
<b>Bihar</b>	0.19	0.68	99.45	0.004	0.010	0.60	0.71	99.90	0
<b>Delhi</b>	0.11	0.41	99.58	0.002	0.007	0.22	0.30	99.90	0
<b>Gujarat</b>	0.12	0.47	99.56	0.007	0.003	0.42	0.55	99.92	0
<b>Haryana</b>	0.04	0.06	99.56	0.003	0.002	0.46	0.60	99.94	0
<b>Himachal Pradesh</b>	0.09	0.29	99.58	0.000	0.002	0.39	0.50	99.93	0
<b>Jammu And Kashmir</b>	0.18	0.83	99.59	0.000	0.013	0.53	0.66	99.93	0
<b>Karnataka</b>	0.20	0.67	99.64	0.003	0.002	0.37	0.51	99.92	0
<b>Kerala</b>	0.06	0.05	99.68	0.001	0.001	0.38	0.62	99.91	0
<b>Kolkata</b>	0.01	0.02	99.63	0.003	0.005	0.19	0.27	99.94	0
<b>Madhya Pradesh</b>	0.11	0.37	99.59	0.004	0.003	0.56	0.78	99.90	0
<b>Maharashtra</b>	0.30	1.45	99.58	0.005	0.003	0.43	0.55	99.89	0
<b>Mumbai</b>	0.17	0.75	99.53	0.009	0.007	0.20	0.28	99.91	0
<b>North East</b>	0.88	1.67	99.58	0.007	0.001	0.67	1.00	99.92	0
<b>Odisha</b>	0.13	0.65	99.61	0.019	0.003	0.41	0.55	99.92	0
<b>Punjab</b>	0.04	0.08	99.57	0.001	0.001	0.22	0.31	99.95	0
<b>Rajasthan</b>	0.05	0.08	99.54	0.005	0.002	0.70	0.87	99.94	1
<b>Tamil Nadu</b>	0.03	0.10	99.60	0.001	0.002	0.26	0.36	99.92	0
<b>Uttar Pradesh (East)</b>	0.34	1.54	99.40	0.007	0.004	0.57	0.65	99.90	0
<b>Uttar Pradesh (West)</b>	0.09	0.34	99.49	0.003	0.003	0.58	0.67	99.92	0
<b>West Bengal</b>	0.12	0.42	99.53	0.003	0.003	0.79	0.94	99.86	0

BS - Base Station and includes BTS, Node B and eNodeB.

RRC —Radio Resource Controller

RAB—Radio Access Bearer

eNodeB - Evolved Node B

BTS - Base Transceiver Station

Node B - A Base Station that acts as a logical node in a Universal Terrestrial Access Network based on Wideband CDMA(WCDMA) technology.