

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services										
Report for quarter ending: Sep 2021				Compliance Status						
S. No.	Parameters	Benchmarks	Generations	Airtel	BSNL	MTNL	Reliance JIO	VIL		
Andhra Pradesh	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00		98.84	99.98		
				2G		99.17				
				3G		100.00				
	2	Successful data transmission download attempts	>80%	All Generations				100.00		
				2G (GSM)	100.00	97.27			100.00	
				3G	100.00	97.61			100.00	
	3	Successful data transmission upload attempts	>75%	All Generations				100.00		
				2G (GSM)	100.00	99.00			100.00	
				3G	100.00	99.00			100.00	
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA Plan 1						
				2G Plan 1	134.43	59.57			118.43	
				3G Plan 1	1674.61	1513.31			3730.74	
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	4G Plans	13460.58			6999.97	5984.50	
				CDMA Plan 1						
				2G Plan 1	168.94	132.96			221.96	
	6	Latency	Data <250	3G Plan 1	2419.23	3020.44			6919.40	
				4G Plans	24020.29			20286.72	9261.64	
				All Generations				53.27		
	7	PDP Context Activation Success Rate	≥95%	2G (GSM)	141.67	187.37			77.38	
				3G	87.00	61.48			49.50	
				4G	39.67				40.00	
	8	drop rate	≤5%	All Generations				99.54		
				2G (GSM)	99.96	97.62			99.87	
				3G	99.96	97.32			95.74	
	8	drop rate	≤5%	4G	99.78				95.88	
				All Generations				0.40		
				2G (GSM)	2.40	0.75			3.92	
	8	drop rate	≤5%	3G	0.64	1.05			1.02	
4G				0.28				0.34		

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Assam	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00		98.11	99.98	
				2G		100.00			
				3G		100.00			
	2	Successful data transmission download attempts	>80%	All Generations				100.00	
				2G (GSM)	100.00	98.30		100.00	
				3G	100.00	98.00		100.00	
				4G	100.00			100.00	
	3	Successful data transmission upload attempts	>75%	All Generations				100.00	
				2G (GSM)	100.00	98.60		100.00	
				3G	100.00	98.30		100.00	
				4G	100.00			100.00	
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA Plan 1					
				2G Plan 1	70.94	92.3(Postpaid Data Plan 50)		118.43	
						92.3(Postpaid Data Plan 75)			
						92.3(Postpaid Data Plan 170)			
						92.3(Postpaid Data Plan 225)			
						92.3(Postpaid Data Plan 240)			
						92.3(Postpaid Data Plan 290)			
						92.3(Postpaid Data Plan 340)			
						92.3(Postpaid Data Plan 501)			
						92.3(Postpaid Data Plan 549)			
						92.3(Postpaid Data Plan 666)			
						92.3(Postpaid Data Plan 901)			
						92.3(Postpaid Data Plan 1711)			
						92.3(Prepaid Data Special Tariff Voucher-4)			
						92.3(Prepaid Data Special Tariff Voucher-7)			
						92.3(Prepaid Data Special Tariff Voucher-16)			
						92.3(Prepaid Data Special Tariff Voucher-17)			
						92.3(Prepaid Data Special Tariff Voucher-56)			
						92.3(Prepaid Data Special Tariff Voucher-109)			
						92.3(Prepaid Data Special Tariff Voucher-198)			
					92.3(Prepaid Data Special Tariff Voucher-597)				
					92.3(Prepaid Data Special Tariff Voucher-1098)				
					92.3(Prepaid Data Special Tariff Voucher-1197)				
					92.3(Prepaid Data Special Tariff Voucher-1498)				
					3G Plan 1	3001.15	1250(Postpaid Data Plan 50)		3730.74
							1250(Postpaid Data Plan 75)		
							1250(Postpaid Data Plan 170)		
				1250(Postpaid Data Plan 225)					
				1250(Postpaid Data Plan 240)					
				1250(Postpaid Data Plan 290)					
				1250(Postpaid Data Plan 340)					
				1250(Postpaid Data Plan 501)					
				1250(Postpaid Data Plan 549)					
				1250(Postpaid Data Plan 666)					
				1250(Postpaid Data Plan 901)					
				1250(Postpaid Data Plan 1711)					
				1250(Prepaid Data Special Tariff Voucher-4)					
				1250(Prepaid Data Special Tariff Voucher-7)					

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services												
Report for quarter ending: Sep 2021					Compliance Status							
S. No.	Parameters	Benchmarks	Generations		Airtel	BSNL	MTNL	Reliance JIO	VIL			
Assam						1250(Prepaid Data Special Tariff Voucher-16)						
						1250(Prepaid Data Special Tariff Voucher-17)						
						1250(Prepaid Data Special Tariff Voucher-56)						
						1250(Prepaid Data Special Tariff Voucher-109)						
						1250(Prepaid Data Special Tariff Voucher-198)						
						1250(Prepaid Data Special Tariff Voucher-597)						
						1250(Prepaid Data Special Tariff Voucher-1098)						
						1250(Prepaid Data Special Tariff Voucher-1197)						
						1250(Prepaid Data Special Tariff Voucher-1498)						
						4G Plans	6441.59			4531.18	5984.50	
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1							
				2G	Plan 1	116.19	152(Postpaid Data Plan 50)			221.96		
							152(Postpaid Data Plan 75)					
							152(Postpaid Data Plan 170)					
							152(Postpaid Data Plan 225)					
							152(Postpaid Data Plan 240)					
							152(Postpaid Data Plan 290)					
							152(Postpaid Data Plan 340)					
							152(Postpaid Data Plan 501)					
							152(Postpaid Data Plan 549)					
							152(Postpaid Data Plan 666)					
							152(Postpaid Data Plan 901)					
							152(Postpaid Data Plan 1711)					
							152(Prepaid Data Special Tariff Voucher-4)					
							152(Prepaid Data Special Tariff Voucher-7)					
							152(Prepaid Data Special Tariff Voucher-16)					
							152(Prepaid Data Special Tariff Voucher-17)					
							152(Prepaid Data Special Tariff Voucher-56)					
							152(Prepaid Data Special Tariff Voucher-109)					
							152(Prepaid Data Special Tariff Voucher-198)					
							152(Prepaid Data Special Tariff Voucher-597)					
							152(Prepaid Data Special Tariff Voucher-1098)					
							152(Prepaid Data Special Tariff Voucher-1197)					
							152(Prepaid Data Special Tariff Voucher-1498)					
							3G Plan 1	4440.16	2890(Postpaid Data Plan 50)			6919.40
									2890(Postpaid Data Plan 75)			
									2890(Postpaid Data Plan 170)			
									2890(Postpaid Data Plan 225)			
									2890(Postpaid Data Plan 240)			
									2890(Postpaid Data Plan 290)			
					2890(Postpaid Data Plan 340)							
					2890(Postpaid Data Plan 501)							
					2890(Postpaid Data Plan 549)							
					2890(Postpaid Data Plan 666)							
					2890(Postpaid Data Plan 901)							
					2890(Postpaid Data Plan 1711)							
					2890(Prepaid Data Special Tariff Voucher-4)							
					2890(Prepaid Data Special Tariff Voucher-7)							
					2890(Prepaid Data Special Tariff Voucher-16)							

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S. No.	Parameters	Benchmarks	Generations		Airtel	BSNL	MTNL	Reliance JIO	VIL	
Assam						2890(Prepaid Data Special Tariff Voucher-17)				
						2890(Prepaid Data Special Tariff Voucher-56)				
						2890(Prepaid Data Special Tariff Voucher-109)				
						2890(Prepaid Data Special Tariff Voucher-198)				
						2890(Prepaid Data Special Tariff Voucher-597)				
						2890(Prepaid Data Special Tariff Voucher-1098)				
						2890(Prepaid Data Special Tariff Voucher-1197)				
						2890(Prepaid Data Special Tariff Voucher-1498)				
				4G	Plans	9594.79			23389.92	9261.64
				All Generations					50.05	
	6	Latency	Data <250	2G (GSM)		202.33	252.00			77.38
				3G		130.00	162.30			49.50
				4G		127.33				40.00
				All Generations					99.79	
	7	PDP Context Activation Success Rate	≥95%	2G (GSM)		99.34	98.53			99.87
				3G		98.48	98.33			95.74
				4G		99.97				95.88
				All Generations					0.47	
	8	drop rate	≤5%	2G (GSM)		1.54				3.92
				3G		0.44	1.33			1.02
			4G		0.48				0.34	

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S. No.	Parameters	Benchmarks	Generations	Airtel	BSNL	MTNL	Reliance JIO	VIL		
Bihar	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00		98.88	100.00		
				2G		100.00				
				3G		100.00				
	2	Successful data transmission download attempts	>80%	All Generations				100.00		
				2G (GSM)	99.50	100.00			100.00	
				3G	NA	100.00			100.00	
				4G	100.00				100.00	
	3	Successful data transmission upload attempts	>75%	All Generations				100.00		
				2G (GSM)	99.71	100.00			100.00	
				3G	NA	100.00			100.00	
				4G	100.00				100.00	
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA Plan 1						
				2G Plan 1	34.85		84.3(2G Postpaid)		133.67	
							84.3(Prepaid 2G Data)			
				3G Plan 1	NA		881.4(3G Postpaid Data Plans)		2890.00	
							881.4(3G Prepaid Data Plan)			
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	4G Plans	6535.33			5934.85	8248.00	
				CDMA Plan 1						
				2G Plan 1	126.43		148.3(2G Postpaid Data Plans)		177.33	
							148.3(Prepaid 2G Data)			
				3G Plan 1	NA		2879.9(3G Postpaid Data Plan)		5793.67	
	6	Latency	Data <250	4G Plans	9184.67			18089.10	12752.67	
				All Generations				60.85		
				2G (GSM)	145.67	207.00			82.33	
				3G	NA	126.17			58.08	
				4G	46.40				49.42	
	7	PDP Context Activation Success Rate	≥95%	All Generations				99.77		
				2G (GSM)	99.98	96.73			98.54	
3G				NA	96.40			96.41		
4G				99.52				96.06		
8	drop rate	≤5%	All Generations				0.41			
			2G (GSM)	4.67				2.33		
			3G	NA	0.81			1.10		
			4G	0.54				0.28		

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S. No.	Parameters	Benchmarks	Generations	Airtel	BSNL	MTNL	Reliance JIO	VIL		
Delhi	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00		95.50	98.73	99.71	
				3G						
	2	Successful data transmission download attempts	>80%	All Generations				100.00		
				2G (GSM)	100.00				92.16	
				3G	NA		100.00		99.42	
	3	Successful data transmission upload attempts	>75%	4G	100.00					97.94
				All Generations				100.00		
				2G (GSM)	100.00				99.10	
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	3G	NA			100.00		99.34
				4G	100.00				99.44	
				CDMA Plan 1						
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	2G Plan 1	72.22					110.11
				3G Plan 1	NA		1290.67		1809.30	
				4G Plans	11893.44			5508.55	5813.34	
	6	Latency	Data <250	CDMA Plan 1						
				2G Plan 1	129.00					182.81
				3G Plan 1	NA		8228.21		5978.88	
	7	PDP Context Activation Success Rate	≥95%	4G Plans	25261.83			22087.11	22359.67	
				All Generations			29.57	51.45		
				2G (GSM)	236.00				100.00	
	8	Drop rate	≤5%	3G	NA					24.17
				4G	84.31				25.00	
				All Generations			100.00	99.70		
	9	Drop rate	≤5%	2G (GSM)	99.98					98.60
3G				NA				98.06		
4G				98.87				99.95		
10	Drop rate	≤5%	All Generations			3.85	0.43			
			2G (GSM)	2.12				0.80		
			3G	NA				0.25		
			4G	0.27				0.19		

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S. No.	Parameters	Benchmarks	Generations	Airtel	BSNL	MTNL	Reliance JIO	VIL	
Gujarat	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00	98.00		98.80	99.65
				2G (GSM)					
	2	Successful data transmission download attempts	>80%	All Generations		99.00		100.00	
				2G (GSM)	100.00			100.00	
				3G	NA			100.00	
				4G	100.00			100.00	
	3	Successful data transmission upload attempts	>75%	All Generations		99.00		100.00	
				2G (GSM)	100.00			100.00	
				3G	NA			100.00	
				4G	100.00			100.00	
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA Plan 1					
				2G Plan 1	112.67			67.00	
				3G Plan 1	NA	1138 Kbps		2353.33	
				4G Plans	6770.33		8538.33	10568.33	
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA Plan 1					
				2G Plan 1	170.33			157.33	
				3G Plan 1	NA	2359 Kbps		7454.67	
				4G Plans	13573.00		21554.27	24651.00	
	6	Latency	Data <250	All Generations		115.00		49.42	
				2G (GSM)	237.33			115.67	
3G				NA			53.67		
4G				31.00			46.67		
7	PDP Context Activation Success Rate	≥95%	All Generations		99.85		99.86		
			2G (GSM)	99.99			99.81		
			3G	NA			98.72		
			4G	99.92			99.97		
8	drop rate	≤5%	All Generations		0.88		0.32		
			2G (GSM)	4.96			2.29		
			3G	NA			0.92		
			4G	0.25			0.23		

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S. No.	Parameters	Benchmarks	Generations	Airtel	BSNL	MTNL	Reliance JIO	VIL	
Himachal Pradesh	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00	100.00		98.26	99.97
				2G (GSM)					
				3G					
	2	Successful data transmission download attempts	>80%	All Generations		99.00		100.00	
				2G (GSM)	100.00			100.00	
				3G	NA			100.00	
	3	Successful data transmission upload attempts	>75%	All Generations		98.70		100.00	
				2G (GSM)	100.00			100.00	
				3G	NA			100.00	
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA Plan 1					
				2G Plan 1	89.33	71.00		115.78	
				3G Plan 1	NA	887.30		2965.67	
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	4G Plans	1482.97	2190.00		5555.31	5092.04
				CDMA Plan 1					
				2G Plan 1	175.67	122.30		180.89	
	6	Latency	Data <250	3G Plan 1		2558.30		19908.87	7074.15
				4G Plans	8858.25	8843.30		14171.08	
				All Generations		81.00		53.49	
	7	PDP Context Activation Success Rate	≥95%	2G (GSM)	204.67				150.75
				3G	NA			55.67	
				4G	98.05			39.92	
	8	drop rate	≤5%	All Generations		99.40		99.68	
				2G (GSM)	99.91			99.05	
				3G	NA			99.46	
			4G	99.85			98.05		
			All Generations		0.80		0.41		
			2G (GSM)	2.90			4.35		
			3G	NA			0.51		
			4G	0.39			0.38		

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S. No.	Parameters	Benchmarks	Generations	Airtel	BSNL	MTNL	Reliance JIO	VIL	
Haryana	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00	98.23		98.93	99.93
				2G (GSM)					
	2	Successful data transmission download attempts	>80%	All Generations		81.67		100.00	
				2G (GSM)	100.00			100.00	
				3G	NA			100.00	
				4G	100.00			100.00	
	3	Successful data transmission upload attempts	>75%	All Generations		83.33		100.00	
				2G (GSM)	100.00			100.00	
				3G	NA			100.00	
				4G	100.00			100.00	
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA Plan 1					
				2G Plan 1	124.67	223.33		105.81	
				3G Plan 1	NA	1781.67		2299.38	
				4G Plans	12674.08	3036.33	10469.84	3227.82	
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA Plan 1					
				2G Plan 1	180.00	244.00		185.75	
				3G Plan 1	NA	2173.00		5112.32	
				4G Plans	20525.44	5888.00	23814.06	9894.33	
	6	Latency	Data <250	All Generations		116.33		53.46	
				2G (GSM)	231.33			153.67	
				3G	NA			44.00	
				4G	123.20			36.33	
	7	PDP Context Activation Success Rate	≥95%	All Generations		96.31		99.82	
				2G (GSM)	99.77			97.86	
3G				NA			98.42		
4G				99.34			99.61		
8	drop rate	≤5%	All Generations		3.69		0.39		
			2G (GSM)	2.17			4.49		
			3G	NA			1.87		
			4G	0.04			0.34		

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S. No.	Parameters	Benchmarks	Generations	Airtel	BSNL	MTNL	Reliance JIO	VIL	
Jammu and Kashmir	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00	97.23		98.00	99.91
				3G					
	2	Successful data transmission download attempts	>80%	All Generations		96.00		100.00	
				2G (GSM)	100.00			100.00	
				3G	NA			100.00	
	3	Successful data transmission upload attempts	>75%	4G	100.00				100.00
				All Generations		89.00		100.00	
				2G (GSM)	100.00			100.00	
				3G	NA			100.00	
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	4G	100.00				100.00
				CDMA Plan 1					
				2G Plan 1	154.01	40.40		108.89	
				3G Plan 1	NA	1556.33		4172.62	
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	4G Plans	10414.67			7163.28	7934.93
				CDMA Plan 1					
				2G Plan 1	247.44	84.72		162.62	
				3G Plan 1	NA	2454.67		8541.73	
	6	Latency	Data <250	4G Plans	11753.33			18522.41	17193.88
				All Generations		161.33		47.59	
				2G (GSM)	212.33			188.58	
				3G	NA			35.58	
	7	PDP Context Activation Success Rate	≥95%	4G	108.33				34.42
				All Generations		97.84		99.65	
				2G (GSM)	100.00			99.96	
3G				NA			99.23		
8	drop rate	≤5%	4G	100.00				97.40	
			All Generations		1.66		0.36		
			2G (GSM)	1.56			4.25		
			3G	NA			0.66		
			4G	0.47				0.48	

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Kolkata	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00	100.00		99.03	99.90
				3G					
	2	Successful data transmission download attempts	>80%	All Generations		92.66		100.00	
				2G (GSM)	100.00			99.33	
				3G	NA			NA	
	3	Successful data transmission upload attempts	>75%	4G	100.00				100.00
				All Generations		91.33		100.00	
				2G (GSM)	100.00			99.75	
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	3G	NA				NA
				4G	15195.87			4010.49	15195.79
				CDMA Plan 1					
				2G Plan 1	17.52	65.33		192.73	
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	3G Plan 1	NA	916.66			NA
				4G Plans	27155.79			14033.47	28095.31
				CDMA Plan 1					
				2G Plan 1	20.82	112.33		226.65	
	6	Latency	Data <250	All Generations		107.33		46.89	
				2G (GSM)	180.23			141.00	
				3G	NA			NA	
				4G	34.83			28.33	
	7	PDP Context Activation Success Rate	≥95%	All Generations				99.79	
				2G (GSM)	100.00	99.84		99.08	
				3G	NA	99.90		NA	
				4G	99.93			99.98	
8	drop rate	≤5%	All Generations		1.96		0.24		
			2G	2.05			4.35		
			3G	NA			NA		
			4G	0.04			0.21		

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services									
Report for quarter ending: Sep 2021				Compliance Status					
S. No.	Parameters	Benchmarks	Generations	Airtel	BSNL	MTNL	Reliance JIO	VIL	
Kerala	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00	99.75		98.99	99.97
				2G (GSM)					
	2	Successful data transmission download attempts	>80%	All Generations		100.00		100.00	
				2G (GSM)	100.00			100.00	
				3G	NA			100.00	
				4G	100.00			100.00	
	3	Successful data transmission upload attempts	>75%	All Generations		100.00		100.00	
				2G (GSM)	100.00			100.00	
				3G	NA			100.00	
				4G	100.00			100.00	
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA Plan 1					
				2G Plan 1	59.70	19.33 kbps		158.18	
				3G Plan 1	NA	130kbps		2583.69	
				4G Plans	5099.95	224.3kbps	10902.58	22126.90	
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA Plan 1					
				2G Plan 1	125.79	203bps		202.13	
				3G Plan 1	NA	1031kbps		4998.88	
				4G Plans	10520.98	5000.66kbps	22414.22	33593.49	
	6	Latency	Data <250	All Generations		106.67ms		49.18	
				2G (GSM)	247.33			103.17	
				3G	NA			39.00	
				4G	88.33			38.75	
	7	PDP Context Activation Success Rate	≥95%	All Generations		99.77		99.87	
				2G (GSM)	99.45			98.20	
3G				NA			97.49		
4G				99.81			99.64		
8	drop rate	≤5%	All Generations		0.68		0.43		
			2G (GSM)	4.89			4.49		
			3G	NA			0.84		
			4G	0.44			0.12		

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services									
Report for quarter ending: Sep 2021				Compliance Status					
S. No.	Parameters	Benchmarks	Generations	Airtel	BSNL	MTNL	Reliance JIO	VIL	
Karnataka	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00	100.00		98.72	99.83
				2G (GSM)					
	2	Successful data transmission download attempts	>80%	All Generations				100.00	
				2G (GSM)	100.00	85.00		100.00	
				3G	NA	100.00		100.00	
				4G	100.00		100.00		
	3	Successful data transmission upload attempts	>75%	All Generations				100.00	
				2G (GSM)	100.00	93.33		100.00	
				3G	NA	100.00		100.00	
				4G	100.00		100.00		
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA Plan 1					
				2G Plan 1	24.68	67.97		215.97	
				3G Plan 1	NA	1312.22		8609.92	
				4G Plans	2191.81		8097.26	33759.98	
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA Plan 1					
				2G Plan 1	129.45	167.52		256.30	
				3G Plan 1	NA	3216.87		10981.97	
				4G Plans	19246.07		22198.72	36554.55	
	6	Latency	Data <250	All Generations		143.51		56.18	
				2G (GSM)	206.50			27.92	
				3G	NA			16.33	
				4G	49.01			14.08	
	7	PDP Context Activation Success Rate	≥95%	All Generations		96.94		99.76	
				2G (GSM)	99.85			96.91	
3G				NA			96.38		
4G				99.47			97.86		
8	drop rate	≤5%	All Generations		0.72		0.48		
			2G (GSM)	0.58			1.26		
			3G	NA			0.10		
			4G	0.11			0.06		

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services									
Report for quarter ending: Sep 2021				Compliance Status					
S. No.	Parameters	Benchmarks	Generations	Airtel	BSNL	MTNL	Reliance JIO	VIL	
Maharashtra	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00	99.23	98.70	99.88	
				2G (GSM)					
	2	Successful data transmission download attempts	>80%	All Generations		98.38		100.00	
				2G (GSM)	100.00			99.63	
				3G	NA			100.00	
				4G	100.00			100.00	
	3	Successful data transmission upload attempts	>75%	All Generations		96.12		100.00	
				2G (GSM)	100.00			99.17	
				3G	NA			100.00	
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA Plan 1					
				2G Plan 1	60.33	103.33		103.93	
				3G Plan 1	NA	4045.00		3734.17	
				4G Plans	3932.33		6830.55	11987.92	
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA Plan 1					
				2G Plan 1	128.39	122.00		166.36	
				3G Plan 1	NA	4145.00		6623.83	
				4G Plans	14879.66		21401.68	26495.22	
	6	Latency	Data <250	All Generations		117.00		60.06	
				2G (GSM)	237.96			93.83	
				3G	NA			44.50	
				4G	89.90			33.00	
	7	PDP Context Activation Success Rate	≥95%	All Generations		97.35		99.23	
				2G (GSM)	99.98			99.99	
				3G	NA			99.97	
4G				99.95			96.43		
8	drop rate	≤5%	All Generations		2.03		0.52		
			2G (GSM)	4.73			1.91		
			3G	NA			1.98		
			4G	0.65			0.26		

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services												
Report for quarter ending: Sep 2021				Compliance Status								
S. No.	Parameters	Benchmarks	Generations	Airtel	BSNL	MTNL	Reliance JIO	VIL				
Madhya Pradesh	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00		98.82	99.86				
				2G		98.91						
				3G		99.02						
	2	Successful data transmission download attempts	>80%	All Generations				100.00				
				2G (GSM)	100.00	100.00			91.00			
				3G	NA	100.00			100.00			
	3	Successful data transmission upload attempts	>75%	All Generations				100.00				
				2G (GSM)	100.00	100.00			98.67			
				3G	NA	100.00			99.83			
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1							
				3G	2G	Plan 1	86.43				129.70	
					Plans	Plan 1	NA	1255(3G Postpaid Data Plans -FMC- 199)				2437.65
								1357(3G Postpaid Data Plans FMC- 525)				
								1695.5(3G Postpaid Data Plans FMC- 798)				
								2151.5(3G Postpaid Data PlansFMC- 999)				
								2466.5(3G Postpaid Data PlansFMC- 1525)				
								1864.5(3G Prepaid Data Recharge Vouchers-16)				
								1643(3G Prepaid Data Recharge Vouchers-56)				
								1989(3G Prepaid Data Recharge Vouchers-75)				
								1689.5(3G Prepaid Data Recharge Vouchers-98)				
							2261(3G Prepaid Data Recharge Vouchers-151)					
							2494(3G Prepaid Data Recharge Vouchers-251)					
							2388.5(3G Prepaid Data Recharge Vouchers-398)					
		2643.5(3G Prepaid Data Recharge Vouchers-447)										
4G	Plans	9407.26				8040.63	8118.59					

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services												
Report for quarter ending: Sep 2021					Compliance Status							
S. No.	Parameters	Benchmarks	Generations		Airtel	BSNL	MTNL	Reliance JIO	VIL			
Madhya Pradesh	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1							
				2G	Plan 1	173.21				197.81		
				3G	Plan 1	NA	2291.5(3G Postpaid Data Plans -FMC- 199)					5774.60
						2361(3G Postpaid Data Plans FMC- 525)						
						3493(3G Postpaid Data Plans FMC- 798)						
						3610.5(3G Postpaid Data PlansFMC- 999)						
						4363.5(3G Postpaid Data PlansFMC- 1525)						
						2641(3G Prepaid Data Recharge Vouchers-16)						
						2683(3G Prepaid Data Recharge Vouchers-56)						
						2153.5(3G Prepaid Data Recharge Vouchers-75)						
						2461(3G Prepaid Data Recharge Vouchers-98)						
						3127(3G Prepaid Data Recharge Vouchers-151)						
				3689(3G Prepaid Data Recharge Vouchers-251)								
				3329(3G Prepaid Data Recharge Vouchers-398)								
	3981.5(3G Prepaid Data Recharge Vouchers-447)											
	4G	Plans	17480.62				21925.35	23357.38				
	6	Latency	Data <250	All Generations					57.85			
				2G (GSM)		122.67	223.80			163.33		
				3G		NA	105.75			125.58		
				4G		36.67				52.58		
7	PDP Context Activation Success Rate	≥95%	All Generations					99.19				
			2G (GSM)		98.24	97.15			100.00			
			3G		NA	97.75			99.89			
			4G		99.83				99.43			
8	drop rate	≤5%	All Generations					0.46				
			2G (GSM)		4.83				0.93			
			3G		NA	1.73			2.48			
			4G		0.37				0.31			

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services										
Report for quarter ending: Sep 2021				Compliance Status						
S. No.	Parameters	Benchmarks	Generations	Airtel	BSNL	MTNL	Reliance JIO	VIL		
Mumbai	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00		99.30	98.77	99.92	
				3G						
	2	Successful data transmission download attempts	>80%	All Generations				100.00		100.00
				2G (GSM)	100.00		100.00		100.00	
				3G	NA		100.00		NA	
	3	Successful data transmission upload attempts	>75%	All Generations					100.00	
				2G (GSM)	100.00		100.00		100.00	
				3G	NA		100.00		NA	
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1					
					Plan 2					
				2G	Plan 1	81.94		59.13		167.94
				3G	Plan 1	NA		700.87		NA
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1					
					Plan 2					
				2G	Plan 1	168.56		89.48		200.50
				3G	Plan 1	NA		780.15		NA
	6	Latency	Data <250	CDMA	Plan 1					
					Plan 2					
				2G	Plan 1	110.33				105.50
				3G	Plan 1	NA		219.60		NA
	7	PDP Context Activation Success Rate	≥95%	CDMA	Plan 1					
					Plan 2					
				2G	Plan 1	99.98				98.00
				3G	Plan 1	NA				NA
8	drop rate	≤5%	CDMA	Plan 1						
				Plan 2						
			2G	Plan 1	3.63		2.83		0.30	
			3G	Plan 1	NA				NA	
				4G	Plan 1	0.31			0.20	

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services										
Report for quarter ending: Sep 2021					Compliance Status					
S. No.	Parameters	Benchmarks	Generations		Airtel	BSNL	MTNL	Reliance JIO	VIL	
North East	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations		100.00	100.00		97.96	99.99
				2G						
				3G						
	2	Successful data transmission download attempts	>80%	All Generations			100.00		100.00	
				2G (GSM)		100.00				100.00
				3G		100.00				100.00
				4G		100.00				100.00
	3	Successful data transmission upload attempts	>75%	All Generations			100.00		100.00	
				2G (GSM)		100.00				100.00
				3G		100.00				100.00
				4G		100.00				100.00
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1					
				2G	Plan 1	97.76	383 kbps			187.49
				3G	Plan 1	2208.96				3848.11
				4G	Plans	9622.33			10112.98	12434.33
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1					
				2G	Plan 1	141.57	973 kbps			218.36
				3G	Plan 1	3534.30				6617.33
				4G	Plans	15681.17			21998.53	20602.19
	6	Latency	Data <250	All Generations			118 ms		63.64	
				2G (GSM)		202.00				149.33
				3G		138.00				59.00
				4G		117.00				60.00
	7	PDP Context Activation Success Rate	≥95%	All Generations			98.53		99.78	
				2G (GSM)		99.98				99.65
				3G		100.00				96.50
				4G		97.98				97.20
	8	drop rate	≤5%	All Generations			3.23		0.61	
2G (GSM)				2.00				3.53		
3G				0.93				0.86		
4G				0.50				0.70		

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services								
Report for quarter ending: Sep 2021				Compliance Status				
S. No.	Parameters	Benchmarks	Generations	Airtel	BSNL	MTNL	Reliance JIO	VIL
1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00			98.99	99.94
			2G (GSM)		100.00			
			3G		100.00			
2	Successful data transmission download attempts	>80%	All Generations				100.00	
			2G (GSM)	100.00	100.00		100.00	
			3G	NA	100.00		100.00	
3	Successful data transmission upload attempts	>75%	All Generations				100.00	
			2G (GSM)	100.00	100.00		100.00	
			3G	NA	100.00		100.00	
4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA Plan 1					
			2G Plan 1	178.31	82.67(Postpaid Data Plans 199)		111.35	
					82.67(Postpaid Data Plans 399)			
				82.67(Postpaid Data Plans 525)				
				82.67(Postpaid Data Plans 798)				
				82.67(Postpaid Data Plans 999)				
				82.67(Postpaid Data Plans 1525)				
				82.67(Prepaid Combo Tariff Vouchers-18)				
				82.67(Prepaid Combo Tariff Vouchers-29)				
				82.67(Prepaid Combo Tariff Vouchers-49)				
				82.67(Prepaid Combo Tariff Vouchers-58)				
				82.67(Prepaid Combo Tariff Vouchers-97)				
				82.67(Prepaid Combo Tariff Vouchers-118)				
				82.67(Prepaid Combo Tariff Vouchers-147)				
				82.67(Prepaid Combo Tariff Vouchers-149)				
				82.67(Prepaid Combo Tariff Vouchers-187)				
				82.67(Prepaid Combo Tariff Vouchers-247)				
				82.67(Prepaid Combo Tariff Vouchers-298)				
				82.67(Prepaid Combo Tariff Vouchers-299)				
				82.67(Prepaid Combo Tariff Vouchers-398)				
				82.67(Prepaid Combo Tariff Vouchers-429)				
				82.67(Prepaid Combo Tariff Vouchers-499)				
				82.67(Prepaid Data Special Tariff Vouchers-13)				
				82.67(Prepaid Data Special Tariff Vouchers-56)				
				82.67(Prepaid Data Special Tariff Vouchers-98)				
				82.67(Prepaid Data Special Tariff Vouchers-151)				
				82.67(Prepaid Data Special Tariff Vouchers-198)				
				82.67(Prepaid Data Special Tariff Vouchers-1999)				
			3G Plan 1	NA	873.33(Postpaid Data Plans 199)			5811.76
					873.33(Postpaid Data Plans 399)			
					873.33(Postpaid Data Plans 525)			
					873.33(Postpaid Data Plans 798)			
					873.33(Postpaid Data Plans 999)			
					873.33(Postpaid Data Plans 1525)			
					873.33(Prepaid Combo Tariff Vouchers-18)			
					873.33(Prepaid Combo Tariff Vouchers-29)			
					873.33(Prepaid Combo Tariff Vouchers-49)			
					873.33(Prepaid Combo Tariff Vouchers-58)			
					873.33(Prepaid Combo Tariff Vouchers-97)			
					873.33(Prepaid Combo Tariff Vouchers-118)			
					873.33(Prepaid Combo Tariff Vouchers-147)			
					873.33(Prepaid Combo Tariff Vouchers-149)			

Orissa

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services									
Report for quarter ending: Sep 2021					Compliance Status				
S. No.	Parameters	Benchmarks	Generations		Airtel	BSNL	MTNL	Reliance JIO	VIL
Orissa						873.33(Prepaid Combo Tariff Vouchers-187)			
						873.33(Prepaid Combo Tariff Vouchers-247)			
						873.33(Prepaid Combo Tariff Vouchers-298)			
						873.33(Prepaid Combo Tariff Vouchers-299)			
						873.33(Prepaid Combo Tariff Vouchers-398)			
						873.33(Prepaid Combo Tariff Vouchers-429)			
						873.33(Prepaid Combo Tariff Vouchers-499)			
						873.33(Prepaid Data Special Tariff Vouchers-13)			
						873.33(Prepaid Data Special Tariff Vouchers-56)			
						873.33(Prepaid Data Special Tariff Vouchers-98)			
						873.33(Prepaid Data Special Tariff Vouchers-151)			
						873.33(Prepaid Data Special Tariff Vouchers-198)			
						873.33(Prepaid Data Special Tariff Vouchers-1999)			
						4G Plans		7737.64	
		CDMA Plan 1							
		2G Plan 1		216.18		142(Postpaid Data Plans 199)			221.67
						142(Postpaid Data Plans 399)			
						142(Postpaid Data Plans 525)			
						142(Postpaid Data Plans 798)			
						142(Postpaid Data Plans 999)			
						142(Postpaid Data Plans 1525)			
						142(Prepaid Combo Tariff Vouchers-18)			
						142(Prepaid Combo Tariff Vouchers-29)			
						142(Prepaid Combo Tariff Vouchers-49)			
						142(Prepaid Combo Tariff Vouchers-58)			
						142(Prepaid Combo Tariff Vouchers-97)			
						142(Prepaid Combo Tariff Vouchers-118)			
						142(Prepaid Combo Tariff Vouchers-147)			
						142(Prepaid Combo Tariff Vouchers-149)			
						142(Prepaid Combo Tariff Vouchers-187)			
						142(Prepaid Combo Tariff Vouchers-247)			
						142(Prepaid Combo Tariff Vouchers-298)			
					142(Prepaid Combo Tariff Vouchers-299)				
					142(Prepaid Combo Tariff Vouchers-398)				
					142(Prepaid Combo Tariff Vouchers-429)				
					142(Prepaid Combo Tariff Vouchers-499)				
					142(Prepaid Data Special Tariff Vouchers-13)				
					142(Prepaid Data Special Tariff Vouchers-56)				
					142(Prepaid Data Special Tariff Vouchers-98)				
					142(Prepaid Data Special Tariff Vouchers-151)				
					142(Prepaid Data Special Tariff Vouchers-198)				

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services											
Report for quarter ending: Sep 2021					Compliance Status						
S. No.	Parameters	Benchmarks	Generations		Airtel	BSNL	MTNL	Reliance JIO	VIL		
Orissa	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	3G	Plan 1	NA	142(Prepaid Data Special Tariff Vouchers-1999)					
						2801(Postpaid Data Plans 199)			8552.94		
								2801(Postpaid Data Plans 399)			
								2801(Postpaid Data Plans 525)			
								2801(Postpaid Data Plans 798)			
								2801(Postpaid Data Plans 999)			
								2801(Postpaid Data Plans 1525)			
								2801(Prepaid Combo Tariff Vouchers-18)			
								2801(Prepaid Combo Tariff Vouchers-29)			
								2801(Prepaid Combo Tariff Vouchers-49)			
								2801Prepaid Combo Tariff Vouchers-58			
								2801(Prepaid Combo Tariff Vouchers-97)			
								2801(Prepaid Combo Tariff Vouchers-118)			
								2801(Prepaid Combo Tariff Vouchers-147)			
								2801(Prepaid Combo Tariff Vouchers-149)			
								2801(Prepaid Combo Tariff Vouchers-187)			
								2801(Prepaid Combo Tariff Vouchers-247)			
								2801(Prepaid Combo Tariff Vouchers-298)			
								2801(Prepaid Combo Tariff Vouchers-299)			
								2801(Prepaid Combo Tariff Vouchers-398)			
								2801(Prepaid Combo Tariff Vouchers-429)			
								2801(Prepaid Combo Tariff Vouchers-499)			
								2801(Prepaid Data Special Tariff Vouchers-13)			
					2801(Prepaid Data Special Tariff Vouchers-56)						
					2801(Prepaid Data Special Tariff Vouchers-98)						
					2801(Prepaid Data Special Tariff Vouchers-151)						
					2801(Prepaid Data Special Tariff Vouchers-198)						
					2801(Prepaid Data Special Tariff Vouchers-1999)						
			4G	Plans	16608.14			14453.53	25719.24		
6	Latency	Data <250	All Generations					50.48			
			2G (GSM)		154.44	156.33			74.30		
			3G		NA	66.59			35.56		
			4G		79.33				19.55		
7	PDP Context Activation Success Rate	≥95%	All Generations					99.80			
			2G (GSM)		99.97	96.43			100.00		
			3G		NA	98.44			100.00		
			4G		99.89				100.00		
8	drop rate	≤5%	All Generations					0.39			
			2G (GSM)		4.54				2.16		
			3G		NA	1.86			0.76		
			4G		0.41				0.12		

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services										
Report for quarter ending: Sep 2021				Compliance Status						
S. No.	Parameters	Benchmarks	Generations	Airtel	BSNL	MTNL	Reliance JIO	VIL		
Punjab	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00	100.00	98.51	99.89		
				2G (GSM)						
	2	Successful data transmission download attempts	>80%	All Generations		98.97		100.00		
				2G (GSM)	100.00			100.00		
				3G	NA			100.00		
				4G	100.00			100.00		
	3	Successful data transmission upload attempts	>75%	All Generations		97.52		100.00		
				2G (GSM)	100.00			100.00		
				3G	NA			100.00		
				4G	100.00			100.00		
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA Plan 1						
				2G Plan 1	72.71	107.51		100.33		
				3G Plan 1	NA	2310.43		3840.01		
				4G Plans	1440.27	4533.95	6571.30	5912.74		
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA Plan 1						
				2G Plan 1	182.61	147.76		139.66		
				3G Plan 1	NA	3442.52		7134.90		
				4G Plans	31884.93	5911.67	17996.54	15643.94		
	6	Latency	Data <250	All Generations				58.77		
				2G (GSM)	226.67			148.00		
				3G	NA	123.90		40.17		
				4G	80.33			37.17		
	7	PDP Context Activation Success Rate	≥95%	All Generations		99.37		99.79		
				2G (GSM)	99.91			99.33		
				3G	NA			99.54		
				4G	98.73			99.38		
	8	drop rate	≤5%	All Generations				0.29		
				2G (GSM)	1.05	3.00		3.58		
3G				NA	0.71		0.31			
4G				0.09	0.02		0.21			

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services										
Report for quarter ending: Sep 2021				Compliance Status						
S. No.	Parameters	Benchmarks	Generations	Airtel	BSNL	MTNL	Reliance JIO	VIL		
Rajasthan	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00			98.70	99.98	
				3G		96.85				
	2	Successful data transmission download attempts	>80%	All Generations				100.00		
				2G (GSM)	100.00				100.00	
				3G	NA	100.00			100.00	
				4G	100.00				100.00	
	3	Successful data transmission upload attempts	>75%	All Generations				100.00		
				2G (GSM)	100.00				100.00	
				3G	NA	100.00			100.00	
				4G	100.00				100.00	
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1					
					Plan 2					
				2G	Plan 1	105.52				109.86
				3G	Plan 1	NA	3771.20(3G Prepaid)			4864.07
				4G	Plans	25386.32			9874.19	13904.10
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1					
					Plan 1	121.54				176.08
				3G	Plan 1	NA	4896.64(3G Prepaid)			8651.77
				4G	Plans	35545.86			22848.89	24050.50
	6	Latency	Data <250	All Generations					54.08	
				2G (GSM)	202.67					94.92
				3G	NA	173.93				42.42
				4G	35.00					33.50
	7	PDP Context Activation Success Rate	≥95%	All Generations					99.87	
				2G (GSM)	99.91					99.49
				3G	NA	100.00				96.25
4G				99.28					99.93	
8	drop rate	≤5%	All Generations					0.43		
			2G (GSM)	3.68					4.26	
			3G	NA	0.46				2.22	
			4G	0.25					0.57	

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services										
Report for quarter ending: Sep 2021				Compliance Status						
S. No.	Parameters	Benchmarks	Generations	Airtel	BSNL	MTNL	Reliance JIO	VIL		
Tamilnadu	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00	100.00		98.92	99.78	
				2G (GSM)						
	2	Successful data transmission download attempts	>80%	All Generations				100.00		
				2G (GSM)	100.00	97.49			100.00	
				3G	NA	98.85			100.00	
				4G	100.00	99.40			100.00	
	3	Successful data transmission upload attempts	>75%	All Generations				100.00		
				2G (GSM)	100.00	97.19			100.00	
				3G	NA	97.76			100.00	
				4G	100.00	99.27			100.00	
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1					
					Plan 2					
				2G	Plan 1	121.73	49.15			100.55
				3G	Plan 1	NA	657.60			4047.25
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	4G	Plans	8906.00	1687.27		5450.35	10128.82
				CDMA	Plan 1					
					Plan 2					
				2G	Plan 1	204.82	110.10			175.13
	6	Latency	Data <250	3G	Plan 1	NA	2577.86			8051.67
				4G	Plans	15713.49	3212.09		19654.73	20533.74
				All Generations					56.69	
				2G (GSM)	237.98	239.88			101.08	
	7	PDP Context Activation Success Rate	≥95%	3G		NA	101.03			27.67
				4G		99.71	99.50			97.86
				All Generations			99.81			98.77
				2G (GSM)	99.87	98.91			99.86	
	8	drop rate	≤5%	All Generations					0.40	
				2G (GSM)	1.49	1.65			3.55	
3G				NA	0.89			1.50		
4G				0.26	0.00			0.19		

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services										
Report for quarter ending: Sep 2021				Compliance Status						
S. No.	Parameters	Benchmarks	Generations	Airtel	BSNL	MTNL	Reliance JIO	VIL		
Uttar Pradesh (East)	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00	97.72		98.45	99.94	
				2G (GSM)						
	2	Successful data transmission download attempts	>80%	All Generations		86.34		100.00		
				2G (GSM)	100.00			100.00		
				3G	NA			100.00		
				4G	100.00				100.00	
	3	Successful data transmission upload attempts	>75%	All Generations		80.52		100.00		
				2G (GSM)	100.00			100.00		
				3G	NA			100.00		
				4G	100.00				100.00	
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1					
				2G	Plan 1	91.51	113.30			149.53
				3G	Plan 1	NA	2867.61			3951.72
				4G	Plans	3360.40			6475.17	14118.51
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1					
				2G	Plan 1	268.29	183.36			205.60
				3G	Plan 1	NA	3176.60			7277.98
				4G	Plans	7287.89			21205.78	24330.77
	6	Latency	Data <250	All Generations		140.33		51.83		
				2G (GSM)	233.33				94.42	
				3G	NA				34.00	
				4G	103.67				18.92	
	7	PDP Context Activation Success Rate	≥95%	All Generations		99.87		99.86		
				2G (GSM)	99.60				99.10	
3G				NA				98.83		
4G				98.45				98.12		
8	drop rate	≤5%	All Generations		0.97		0.39			
			2G (GSM)	4.72				4.21		
			3G	NA				1.35		
			4G	0.42				0.28		

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services										
Report for quarter ending: Sep 2021				Compliance Status						
S. No.	Parameters	Benchmarks	Generations	Airtel	BSNL	MTNL	Reliance JIO	VIL		
Uttar Pradesh (West)	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00	97.60		98.51	99.95	
				2G (GSM)						
	2	Successful data transmission download attempts	>80%	All Generations		94.50		100.00		
				2G (GSM)	100.00				100.00	
				3G	NA				100.00	
				4G	100.00				100.00	
	3	Successful data transmission upload attempts	>75%	All Generations		90.70		100.00		
				2G (GSM)	100.00				100.00	
				3G	NA				100.00	
				4G	100.00				100.00	
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA Plan 1						
				2G Plan 1	91.97	97.67			90.92	
				3G Plan 1	NA	1977.33			2412.77	
				4G Plans	9763.08		4548.04	8484.07		
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA Plan 1						
				2G Plan 1	132.28	162.00			166.07	
				3G Plan 1	NA	2960.00			6991.54	
				4G Plans	15993.83		17858.50	21990.86		
	6	Latency	Data <250	All Generations		226.00		54.50		
				2G (GSM)	118.00				135.33	
				3G	NA				60.67	
				4G	56.33				41.33	
	7	PDP Context Activation Success Rate	≥95%	All Generations		96.70		99.85		
				2G (GSM)	99.93				99.20	
3G				NA				96.36		
4G				98.60				99.62		
8	drop rate	≤5%	All Generations		2.70		0.38			
			2G (GSM)	1.51				4.58		
			3G	NA				3.77		
			4G	0.20				0.30		

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services										
Report for quarter ending: Sep 2021				Compliance Status						
S. No.	Parameters	Benchmarks	Generations	Airtel	BSNL	MTNL	Reliance JIO	VIL		
West Bengal	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00	96.77		98.75	100.00	
				3G						
	2	Successful data transmission download attempts	>80%	All Generations		100.00		100.00		
				2G (GSM)	100.00				98.33	
				3G	NA				100.00	
				4G	100.00				100.00	
	3	Successful data transmission upload attempts	>75%	All Generations		100.00		100.00		
				2G (GSM)	100.00				100.00	
				3G	NA				100.00	
				4G	100.00				100.00	
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1					
				2G	Plan 1	42.93	134.81			149.67
				3G	Plan 1	NA	892.39			3652.35
				4G	Plans	5124.66			6406.99	11399.51
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1					
				2G	Plan 1	101.56	221.28			192.65
				3G	Plan 1	NA	2707.86			7575.72
				4G	Plans	8938.54			20742.08	23994.33
	6	Latency	Data <250	All Generations			177.17 ms		55.27	
				2G (GSM)	128.23				186.00	
				3G	NA				66.00	
				4G	50.47				30.00	
	7	PDP Context Activation Success Rate	≥95%	All Generations			95.11		99.84	
				2G (GSM)	99.97				98.97	
3G				NA				95.65		
4G				99.84				99.97		
8	drop rate	≤5%	All Generations			4.96		0.38		
			2G (GSM)	1.47				4.24		
			3G	NA				1.12		
			4G	0.56				0.16		
Note: NA means not applicable										