

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services for the quarter ending September, 2014

Sl. No.	Parameters	Benchmarks	Generations/ Technology	Aircel	Airtel	BSNL	Idea	RCL	RTL	TATA	Vodafone	Telewings	MTNL	MTS	Videocon	Loop	Quadrant		
Andhra Pradesh	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.67	100		99.99	98	97	99.25	100							
	2	Successful data transmission download attempts	>80%	All Generations	100	100		100	100		100	100	100						
	3	Successful data transmission upload attempts	>75%	All Generations	100				100		100		100						
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	2G (GSM)		100		100				100							
				3G		100		100											
				CDMA					62.14 (RNC_PayG)			59 (Photon Whiz)							
									573 (HSD)			1149 (Photon Plus)							
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	2G	113.74	101		115	69.5 (RNC_PayG)		63 (EDGE)	121.17 (Plan 99)	62.49						
				3G	1587.2	861		2175											
				CDMA					104.19 (RNC_PayG)			71 (Photon Whiz)							
	6	Latency	Data <250ms	CDMA					160										
				HSD					61										
				2G (GSM)	97.58	228		141	177			118	139.42						
				3G	11.42	102		25											
	7	PDP Context Activation Success Rate	≥95%	All Generations							97		99.05						
				2G (GSM)	89.28	99.1		99.69	99.91				99.78						
				3G	89.28	99.4		96.58											
				CDMA					97.53										
	8	Drop rate :	≤5%	HSD					97.53										
				All Generations							0.8		4.78						
2G (GSM)				1.49	0.7		0.68	1.66				2.78							
3G				1.05	0.7		0.76												
							0.44												
							1.32												

Note 1: The text in the bracket (like RNC_PayG, Mblaze etc) are the plan names of the respective Service provider.

Note 2:All Operators except CDMA operators and Tata are not offering different plans based on the data throughput.

Sl. No.	Parameters	Benchmarks	Generations/Technology	Aircel	Airtel	BSNL	Idea	RCL	RTL	TATA	Vodafone	Telewings	MTNL	MTS	Videocon	Loop	Quadrant	
Assam	1 Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.63	98		99.99		100		99.95							
	2 Successful data transmission download attempts	>80%	All Generations	100														
			2G (GSM)		100		100			100		99.53						
			3G		100					99.39								
	3 Successful data transmission upload attempts	>75%	All Generations	100														
			2G (GSM)		100		100			100		99.37						
			3G		100					99.74								
	4 Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	2G	131.41	110		77			58.23 (RNC_PayG)		113.67 (Pack@699)						
3G			2821.58	1699					764.59									
5 Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	2G		149		127			143.19 (RNC_PayG)		173 (Pack@699)							
		3G		3220					1153.06									
6 Latency	Data <250ms	2G (GSM)	100.83	236		104			224.78		137.33							
		3G	25.83	37					103.64									
7 PDP Context Activation Success Rate	≥95%	2G (GSM)	99.95	99.9		99.74			99.94		98.03							
		3G	99.95	99.9					98.78									
8 Drop rate :	≤5%	2G (GSM)	0.87	1.1		0.13			4.66		2.25							
		3G	0.62	0.5					0.76									
Bihar & Jharkhand	1 Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.91	97		99.99	99.5	100	96	100	100						
	2 Successful data transmission download attempts	>80%	All Generations	100				100		100		100						
			2G (GSM)		99.8		100			100		100						
			3G		99.8					92.8								
	3 Successful data transmission upload attempts	>75%	All Generations	100				100		100		100						
			2G (GSM)		99.7		100			100		100						
			3G		99.7					97.92								
	4 Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA						99.27 (RNC_PayG)		54 (Photon Whiz)							
											772 (Photon Plus)							
			2G	130.75	136		93			108.93 (RNC_PayG)	62 (EDGE)	137 (VMC+VFL_3GB_30d_2G_2G RC 199 Y_2G)	111.5					
	5 Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA						121.7 (RNC_PayG)		67 (Photon Whiz)							
											1151 (Photon Plus)							
			2G	181.75	193		143			180.24 (RNC_PayG)	105 (EDGE)	169.13 (VMC+VFL_3GB_30d_2G_2G RC 199 Y_2G)	144.7					
	6 Latency	Data <250ms	3G	4959.77	4508					1212.47								
			All Generations								122.57		120					
			2G (GSM)	101.63	245		240				150.04		109					
7 PDP Context Activation Success Rate	≥95%	3G	26.12	64					35.05									
		CDMA						171.27										
		All Generations								96.91		99.05						
8 Drop rate :	≤5%	2G (GSM)	99.49	99.3		99.73			99.9		99.84							
		3G	99.49	100						98.94								
8 Drop rate :	≤5%	CDMA						97.53										
		All Generations								0.59		3.8						
		2G (GSM)	0.73	4.6		0.7				4.89		2.4						
		3G	0.68	0.1					1.44									
		CDMA						0.52										

Note 1: The text in the bracket (like RNC_PayG, Mblaze etc) are the plan names of the respective Service provider.

Note 2:All Operators except CDMA operators and Tata are not offering different plans based on the data throughput.

Sl. No.	Parameters	Benchmarks	Generations/ Technology	Aircel	Airtel	BSNL	Idea	RCL	RTL	TATA	Vodafone	Telewings	MTNL	MTS	Videocon	Loop	Quadrant		
Chennai	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.14	100					99.91								
	2	Successful data transmission download attempts	>80%	All Generations	100														
				2G (GSM)		100						100							
				3G		100						100							
	3	Successful data transmission upload attempts	>75%	All Generations	100														
				2G (GSM)		100						100							
				3G		100						100							
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	2G	113.31	110						88.29 (199 Unlimited 2GB)							
				3G	2067.68	1449						1803.33 (650 Unlimited 3GB)							
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	2G	177.54	195						170.18 (199 Unlimited 2GB)							
				3G	3561.93	4339						2366.67 (650 Unlimited 3GB)							
	6	Latency	Data <250ms	2G (GSM)	82.22	214						113.67							
				3G	27.33	44													
	7	PDP Context Activation Success Rate	≥95%	2G (GSM)	96.63	100						99.79							
				3G	96.63	100													
				CDMA									99.65						
8	Drop rate :	≤5%	2G (GSM)	0.86	0.7						2.62								
			3G	1.07	0.2														
			CDMA									0.83							

Note 1: The text in the bracket (like RNC_PayG, Mblaze etc) are the plan names of the respective Service provider.

Note 2:All Operators except CDMA operators and Tata are not offering different plans based on the data throughput.

Sl. No.	Parameters	Benchmarks	Generations/Technology	Aircel	Airtel	BSNL	Idea	RCL	RTL	TATA	Vodafone	Telewings	MTNL	MTS	Videocon	Loop	Quadrant
Delhi	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	99.58	99		100	100		92	99.71		99.99				
	2	Successful data transmission download attempts	>80%	100			100	100		100				99.8			
					99.2						99.61			98.87			
					99.3						99.31			99.47			
	3	Successful data transmission upload attempts	>75%	100			100	100		100							
					99.9						99.79			97.22			
					97.1						99.42			99.44			
															99.8		
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA					58.18 (RNC_PayG)		78 (Photon Whiz)				734 (Mblaze)		
											1658 (Photon Plus)				1244 (Mblaze Ultra)		
											2408 (Photon Max)						
				2G	71.2	65		94	68.63 (RNC_PayG)			73.78 (Rs 125 Rental plan with 1GB free)		20.65			
				3G		2013			1721.82 (5GB Unlimited)			1042 (Rs 250 Rental plan with 1GB free)		379.85			
				HSD					603.51								
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA					114.92 (RNC_PayG)		84 (Photon Whiz)				1227 (Mblaze)		
											2117 (Photon Plus)				2348 (Mblaze Ultra)		
											3530 (Photon Max)						
				2G	96.65	105		149	136.27 (RNC_PayG)			139.4 (Rs 125 Rental plan with 1GB free)		86.31			
				3G		2262			2821.41 (5GB Unlimited)			4098.3 (Rs 250 Rental plan with 1GB free)		529.97			
			HSD					739.27									
6	Latency	Data <250ms	All Generations							65.3			128.33				
			2G (GSM)	145.22	230		116	134.73			163.67						
			3G		84			23.49			61.45						
			HSD					43.76									
			CDMA					161.19						64			
7	PDP Context Activation Success Rate	≥95%	All Generations							95.3			93.99				
			2G (GSM)	99.35	99.9		99.03	99.98			99.79						
			3G		100			99.26			99.2						
			HSD					98.06									
			CDMA					98.06						99.3			
8	Drop rate :	≤5%	All Generations							1.28			1.77				
			2G (GSM)	1.03	1		1.5	3.33			0.9						
			3G		0.8			0.74			0.75						
			HSD					0.53									
			CDMA					0.51						1.6			

Note 1: The text in the bracket (like RNC_PayG, Mblaze etc) are the plan names of the respective Service provider.

Note 2:All Operators except CDMA operators and Tata are not offering different plans based on the data throughput.

Sl. No.	Parameters	Benchmarks	Generations/Technology	Aircel	Airtel	BSNL	Idea	RCL	RTL	TATA	Vodafone	Telewings	MTNL	MTS	Videocon	Loop	Quadrant	
GUJARAT	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	98.98		100	97		97	99.76	100						
	2	Successful data transmission download attempts	>80%	All Generations	95.56						100		100			95.8		
				2G (GSM)		100		100	100			99.62						
				3G				100				100						
				HSD					100									
				CDMA					100						100			
	3	Successful data transmission upload attempts	>75%	All Generations	94.28						100		100			92.82		
				2G (GSM)		99.9		100	100			98.43						
				3G				100				99.68						
				HSD					100									
				CDMA					100						100			
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA					76.24(RNC_PayG)			66 (Photon Whiz)			896 (Mblaze)			
											484 (Photon Plus)			2091 (Mblaze Ultra)				
											861 (Photon Max)							
				2G	129.39	52		94	70.56 (RNC_PayG)		107 (EDGE)	35.87 (2G MI199)	65.47			90.09		
				3G				1853				2072.33 (3G MI850)						
											1701 (Photon 3G)							
											3239 (Photon 3G+)							
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA					11.23 (RNC_PayG)			82 (Photon Whiz)			1619 (Mblaze)			
												795 (Photon Plus)			3174 (Mblaze Ultra)			
												1294 (Photon Max)						
				2G	177.47	95		158	142.45 (RNC_PayG)		123 (EDGE)	108.43 (2G MI199)	122.29			180		
				3G				4148				4615 (3G MI850)						
											2420 (Photon 3G)							
										4074 (Photon 3G+)								
			HSD					862.94										
6	Latency	Data <250ms	All Generations							67.8		180			242			
			2G (GSM)	97.96	233		116	248.1			138.17							
			3G				86				28.67							
			HSD					51.34										
			CDMA					191.23						101				
7	PDP Context Activation Success Rate	≥95%	All Generations							97.6		99.05			99.94			
			2G (GSM)	96.63	99.3		99.98	99.91			99.89							
			3G				99.92				99.78							
			HSD					98.06										
			CDMA					98.06						98.1				
8	Drop rate :	≤5%	All Generations							1.4		4.45			1.97			
			2G (GSM)	0.63	2.3		0.25	1.113			2.87							
			3G				0.93				0.49							
			HSD					0.37										
			CDMA					0.243						1.2				

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Sl. No.	Parameters	Benchmarks	Generations/Technology	Aircel	Airtel	BSNL	Idea	RCL	RTL	TATA	Vodafone	Telewings	MTNL	MTS	Videocon	Loop	Quadrant	
Himachal Pradesh	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.95	100		99.99	100	100	95	99.89						
	2	Successful data transmission download attempts	>80%	All Generations	100						99.9							
				2G (GSM)		100		100		100		99.42						
				3G		100		100		100								
				CDMA					100									
	3	Successful data transmission upload attempts	>75%	All Generations	100						99.9							
				2G (GSM)		100		100		100		98.94						
				3G		100		100		100								
				CDMA					100									
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA					108.21 (RNC_PayG)		44 (Photon Whiz)							
				2G	79.79	82		110		83.84(RNC_PayG)	67 (EDGE)	104.81 (Talk invitation 50)						
				3G		895		1555		1067.73								
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA					123.7 (RNC_PayG)		66 (Photon Whiz)							
				2G	131.43	173		149		130.18 (RNC_PayG)	115 (EDGE)	163.64 (Talk invitation 50)						
				3G		1833		2885		2370.16								
	6	Latency	Data <250ms	All Generations							133.36							
				2G (GSM)	134.33	233		113		138.52		104.4						
				3G		157		90		99.03								
				CDMA					175.74									
	7	PDP Context Activation Success Rate	≥95%	All Generations							97.26							
				2G (GSM)	98.44	99.6		99.7		99.87		99.84						
				3G		100		96.95		98.91								
				CDMA					97.53									
	8	Drop rate :	≤5%	All Generations							2.09							
			2G (GSM)	0.66	1.2		0.74		4.52		2.42							
			3G		0.6		1.22		0.63									
			CDMA					0.25										

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Sl. No.	Parameters	Benchmarks	Generations/ Technology	Aircel	Airtel	BSNL	Idea	RCL	RTL	TATA	Vodafone	Telewings	MTNL	MTS	Videocon	Loop	Quadrant	
HARYANA	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	77.53		100	100		98	99.59							
	2	Successful data transmission download attempts	>80%	All Generations	95.93						100					96.39		
				2G (GSM)		100		99.99	99.95			100						
				3G				100				99.83						
				HSD					100									
				CDMA					100									
	3	Successful data transmission upload attempts	>75%	All Generations	92.64						99.9						94.33	
				2G (GSM)		100		100	100			99.83						
				3G				100				100						
				HSD					99.95									
				CDMA					100									
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA					71.07 (RNC_PayG)		41.8 (Photon Whiz)							
											344 (Photon Plus)							
				2G	92.84	76		81	66.98 (RNC_PayG)		41.14 (EDGE)	69.45 (30MB with Rs5)				23		
				3G				2283			1307.6 (Photon 3G)	3354.17 (1GB@Rs 250)						
											1642.7 (Photon 3G)							
											3558 (Photon 3G+)							
				HSD					716.62									
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA					109.41 (RNC_payG)		68.2 (Photon Whiz)							
											1196.2 (Photon Plus)							
				2G	144.57	146		148	98.36 (RNC_PayG)		66.57 (EDGE)	115.14 (30MB with Rs5)				112		
				3G				3584			1786.3 (Photon 3G)	5034.48 (1GB@Rs 250)						
											2326.9 (Photon 3G)							
											4874.7 (Photon 3G+)							
				HSD					921.89									
	6	Latency	Data <250ms	All Generations							97.5						242	
				2G (GSM)	145.77	242		134	104.29			127.72						
				3G				40				33.19						
			HSD					44.46										
			CDMA					170.32										
7	PDP Context Activation Success Rate	≥95%	All Generations							98						98.42		
			2G (GSM)	100	99.9		99.05	99.98			99.75							
			3G				98.86				99.51							
			HSD					98.06										
			CDMA					98.06										
8	Drop rate :	≤5%	All Generations							1						1.73		
			2G (GSM)	0	0.7		0.87	2.34			3.06							
			3G				1.96				1.06							
			HSD					0.43										
			CDMA					0.38										

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Jammu & Kashmir	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.64	99	99.97	100			99.83						
	2	Successful data transmission download attempts	>80%	All Generations	100							95.25					
				2G (GSM)		100		100									
				3G		100		100									
				CDMA													
	3	Successful data transmission upload attempts	>75%	All Generations	100							94.38					
				2G (GSM)		100		100									
				3G		100		100									
				CDMA													
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA													
				2G	182.89	175		119	80.16 (RNC_PayG)			64.97 (Plan-99_1GB)					
				3G	2679.43	2058		2900	2562.06 (5GB UL)								
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA													
				2G	205.72	205		155	195.16 (RNC_PayG)			115.96 (Plan-99_1GB)					
				3G	3154.49	2328		3680	3913.29 (5GB_UL)								
	6	Latency	Data <250ms	2G (GSM)	148.55	197		107	108.63			169.16					
				3G	104.87	113		81	42.86								
				CDMA													
	7	PDP Context Activation Success Rate	≥95%	2G (GSM)	99.97	100		99.27	99.98			99.95					
				3G	99.97	100		98.17	99.26								
				CDMA													
	8	Drop rate :	≤5%	2G (GSM)	1.4	0.9		0.18	2.47			2.38					
				3G	0.86	0.4		0.6	0.99								
				CDMA													

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KOLKATA	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.56		99.92	99.5	100	92	96.33							
	2	Successful data transmission download attempts	>80%	All Generations	100						100							
				2G (GSM)		100		100				99.97						
				3G						100		99.97						
				HSD					100									
				CDMA					100						100			
	3	Successful data transmission upload attempts	>75%	All Generations	100						99.95							
				2G (GSM)				100		100		99.98						
				3G		100				100		99.97						
				HSD					99.68									
				CDMA					99.68									
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA					106.1 (RNC_PayG)		49 (Photon Whiz)				341 (Mblaze)			
											816 (Photon Plus)				1046 (Mblaze Ultra)			
											1151 (Photon Max)							
				2G	96.55	144		112		89.08 (RNC_PayG)	30 (EDGE)	77.98 (Postpaid PayG Unlimited)						
				3G	1756.9					1683.26		1520.57 (Postpaid PayG Unlimited)						
				HSD					770.66									
				CDMA					123.79 (RNC_PayG)		70 (Photon Whiz)				981 (Mblaze)			
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.								1228 (Photon Plus)				2011 (Mblaze Ultra)			
											1921 (Photon Max)							
				2G	157.51	190		147		146.52 (RNC_PayG)	106 (EDGE)	150.38 (Postpaid PayG Unlimited)						
				3G	3413.82					2293.74		5121.27 (Postpaid PayG Unlimited)						
				HSD					975.79									
	6	Latency	Data <250ms	All Generations							104.47							
				2G (GSM)	123.22	221		141		96		103.21						
				3G	23.11					34		49.56						
				HSD					44									
				CDMA					163.66						54			
7	PDP Context Activation Success Rate	≥95%	All Generations							98.12								
			2G (GSM)	99.97	99.6		99.13		99.9		99.69							
			3G	99.97					98.94		99.32							
			HSD					97.53										
			CDMA					97.53						98.1				
8	Drop rate :	≤5%	All Generations							1.42								
			2G (GSM)	0.96	3.8		0.52		4.89		1.81							
			3G	0.79					0.65									
			HSD					0.59										
			CDMA					0.2			0.69			0.9				

Note 1: The text in the bracket (like RNC_PayG, Mblaze etc) are the plan names of the respective Service provider.

Note 2:All Operators except CDMA operators and Tata are not offering different plans based on the data throughput.

Sl. No.	Parameters	Benchmarks	Generations/Technology	Aircel	Airtel	BSNL	Idea	RCL	RTL	TATA	Vodafone	Telewings	MTNL	MTS	Videocon	Loop	Quadrant	
KERALA	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	81.53		100	100		98	99.9							
	2	Successful data transmission download attempts	>80%	All Generations	100						100							
				2G (GSM)		100		100	99.92			99.36						
				3G				100										
				HSD					100									
				CDMA					100						100			
	3	Successful data transmission upload attempts	>75%	All Generations	99.5						100							
				2G (GSM)		100		100	100			98.63						
				3G				100										
				HSD					99.56									
				CDMA					100									
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA					68.67 (RNC_PayG)		79 (Photon Whiz)				1007 (Mblaze)			
											573 (Photon Plus)				1244 (Mblaze Ultra)			
											674 (Photon Max)							
				2G	33.53	64		105	116.61 (RNC_PayG)		60 (EDGE)	58.06 (3GB VMC 199 plan)						
				3G	1006.58			2122										
											944 (Photon 3G)							
											2181 (Photon 3G+)							
				HSD					440.94									
				CDMA					108.37 (RNC_PayG)		82 (Photon Whiz)				1681 (Mblaze)			
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA							1725 (Photon Plus)				2675 (Mblaze Ultra)			
											2816 (Photon Max)							
				2G	176.53	131		130	189.58 (RNC_PayG)		114 (EDGE)	98.33 (3GB VMC 199 plan)						
				3G	2217.44			3185										
										3099 (Photon 3G)								
										6089 (Photon 3G+)								
			HSD					777.23										
6	Latency	Data <250ms	All Generations							75.8								
			2G (GSM)	81.17	215		134	147.13			196							
			3G	25.83			62											
			HSD					47.16										
			CDMA					181.18						79				
7	PDP Context Activation Success Rate	≥95%	All Generations							98.4								
			2G (GSM)	96.63	100		99.62	99.91			99.84							
			3G	96.63			98.65											
			HSD					95.57										
			CDMA					95.57						98.6				
8	Drop rate :	≤5%	All Generations							1.1								
			2G (GSM)	2.07	0.7		0.73	3.28			3.55							
			3G	0			2.84											
			HSD					0.82										
			CDMA					0.58						1.6				

Note 1: The text in the bracket (like RNC_PayG, Mblaze etc) are the plan names of the respective Service provider.

Note 2:All Operators except CDMA operators and Tata are not offering different plans based on the data throughput.

Sl. No.	Parameters	Benchmarks	Generations/ Technology	Aircel	Airtel	BSNL	Idea	RCL	RTL	TATA	Vodafone	Telewings	MTNL	MTS	Videocon	Loop	Quadrant
KARNATAKA	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.59	100	100	96.33		98	99.08						
	2	Successful data transmission download attempts	>80%	All Generations	99.53						100						
				2G (GSM)		100		100				98.73					
				3G		100											
				HSD					100								
				CDMA					100						100		
	3	Successful data transmission upload attempts	>75%	All Generations	99.97						100						
				2G (GSM)		100		100				98.1					
				3G		100											
				HSD					100								
				CDMA					100								
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA					57.29 (RNC_PayG)		48 (Photon Whiz)				566 (Mblaze)		
											376 (Photon Plus)				1030 (Mblaze Ultra)		
											1107.33 (Photon Max)						
				2G	139.13	90		122	51.64 (RNC_PayG)		50.64 (EDGE)	76.47 (2 GB unlimited @ MRP 199)					
				3G	3382.84	1067											
											818 (Photon 3G)						
											827 (Photon 3G+)						
				HSD					439.54								
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA					104.13 (RNC_PayG)		67.91 (Photon Whiz)				1174 (Mblaze)		
											1155.67 (Photon Plus)				1870 (Mblaze Ultra)		
											1750.67 (Photon Max)						
				2G	178.4	125		159	94.93 (RNC_PayG)		101.71 (EDGE)	171.39 (2 GB unlimited @ MRP 199)					
				3G	5159.58	1789											
											2342 (Photon3G)						
											2323 (Photon3G+)						
				HSD					997.98								
	6	Latency	Data <250ms	All Generations							80.8						
			2G (GSM)	85.17	166		142	211.86			189						
			3G	31.76	67												
			HSD					48.2									
			CDMA					196.82						153			
7	PDP Context Activation Success Rate	≥95%	All Generations							98.7							
			2G (GSM)	96.63	97.4		99.85	97.15			99.88						
			3G	96.63	97.5												
			HSD					95.57									
			CDMA					95.57						98.9			
8	Drop rate :	≤5%	All Generations							1.1							
			2G (GSM)	1.7	0.8		0.85	0.26			2.67						
			3G	1.49	0.8												
			HSD					0.89									
			CDMA					1.74						1			

Note 1: The text in the bracket (like RNC_PayG, Mblaze etc) are the plan names of the respective Service provider.

Note 2:All Operators except CDMA operators and Tata are not offering different plans based on the data throughput.

Sl. No.	Parameters	Benchmarks	Generations/ Technology	Aircel	Airtel	BSNL	Idea	RCL	RTL	TATA	Vodafone	Telewings	MTNL	MTS	Videocon	Loop	Quadrant	
Maharashtra	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.98		100	100		99	98.76	100						
	2	Successful data transmission download attempts	>80%	All Generations	100						100		100					
				2G (GSM)		95.6		100	99.97			100						
				3G				99.91				99.92						
				HSD					100									
				CDMA					100									
	3	Successful data transmission upload attempts	>75%	All Generations	100						100		100					
				2G (GSM)		99		100	100			99.83						
				3G				99.35				99.26						
				HSD					99.82									
				CDMA					99.89									
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA					68.44 (RNC_PayG)		45 (Photon Whiz)							
											330 (Photon Plus)							
				2G	60.32	86		112	66.65 (RNC_PayG)		79 (EDGE)	61.95 (Rs. 599 unlimited 2G Data Plan)	42.63					
				3G				2391				1928 (Unlimited 2G & 3G Data Plan)						
											1390 (Photon 3G)							
				HSD					603.17									
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA					110.19 (RNC_PayG)		65 (Photon Whiz)							
											971 (Photon Plus)							
				2G	108.21	172		157	134.25 (RNC_PayG)		132 (EDGE)	136.8 (Rs. 599 unlimited 2G Data Plan)	123.55					
				3G				4511				2723.67 (Unlimited 2G & 3G Data Plan)						
											2126 (Photon 3G)							
				HSD					984.22									
	6	Latency	Data <250ms	All Generations							85		182					
			2G (GSM)	115.67	246		81	138.71			159.72							
			3G				106				60.63							
			HSD					43.87										
			CDMA					164.33										
7	PDP Context Activation Success Rate	≥95%	All Generations							98		99.05						
			2G (GSM)	96.63	99.3		100	99.91			99.21							
			3G				100				98.6							
			HSD					98.06										
			CDMA					98.06										
8	Drop rate :	≤5%	All Generations							1.8		4.27						
			2G (GSM)	1.71	2.7		1.26	1.44			0.82							
			3G				1.77				0.3							
			HSD					1.04										
			CDMA					0.11										

Note 1: The text in the bracket (like RNC_PayG, Mblaze etc) are the plan names of the respective Service provider.

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Sl. No.	Parameters	Benchmarks	Generations/Technology	Aircel	Airtel	BSNL	Idea	RCL	RTL	TATA	Vodafone	Telewings	MTNL	MTS	Videocon	Loop	Quadrant
Madhya Pradesh	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	94.2		100	98.5	100	90	96.94						
	2	Successful data transmission download attempts	>80%	All Generations	89.6					100	100				99.54		
				2G (GSM)		98.8		99.56		100		98.6					
				3G				100		100							
				HSD					100								
				CDMA					100								
	3	Successful data transmission upload attempts	>75%	All Generations	88.53						100					99.5	
				2G (GSM)		98.4		100		100		97.28					
				3G				100		100							
				HSD					100								
				CDMA					100								
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA					68.17 (RNC_PayG)		48 (Photon Whiz)						
											584 (Photon Plus)						
				2G	82.97	91		72		71.47 (RNC_PayG)	44 (EDGE)	60.19 (MBB_C_V_199_30d_D2GB_FU_2G)				25	
				3G				1837		1787.29							
				HSD							1073 (Photon 3G)						
									654.43								
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA					93.65 (RNC_PayG)		69 (Photon Whiz)						
											1137 (Photon Plus)						
				2G	115.08	129		134		128.49 (RNC_PayG)	100 (EDGE)	160.68 (MBB_C_V_199_30d_D2GB_FU_2G)				135	
				3G				3510		3298.24							
				HSD							2178 (Photon 3G)						
									870.23								
	6	Latency	Data <250ms	All Generations							86.1					229	
			2G (GSM)	123.67	120		128		144.17		153.56						
			3G				124		85.33								
			HSD					58.4									
			CDMA					237									
7	PDP Context Activation Success Rate	≥95%	All Generations							98.4					98.42		
			2G (GSM)	96.63	99.5		99.45		99.87		99.86						
			3G				96.91		98.91								
			HSD					97.53									
			CDMA					97.53									
8	Drop rate :	≤5%	All Generations							1.4					1.83		
			2G (GSM)	2.09	2.5		1.05		4.34		2.31						
			3G				1.39		1.02								
			HSD					0.71									
			CDMA					0.49									

Note 1: The text in the bracket (like RNC_PayG, Mblaze etc) are the plan names of the respective Service provider.

Note 2:All Operators except CDMA operators and Tata are not offering different plans based on the data throughput.

Sl. No.	Parameters	Benchmarks	Generations/ Technology	Aircel	Airtel	BSNL	Idea	RCL	RTL	TATA	Vodafone	Telewings	MTNL	MTS	Videocon	Loop	Quadrant	
Mumbai	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	99.88	100		100	99.67		96	99.38		90.61			97.11		
	2	Successful data transmission download attempts	>80%	99.04		100	100	100		100	96.88		95.99			95.98		
					100			100					99.89					
								100										
								100				97.66						
	3	Successful data transmission upload attempts	>75%	99.26							100						94.31	
					100		100	100			94.21			99.92				
					100			100						99.92				
								100										
								100				97.36						
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA					88.91 (RNC_PayG)		56 (Photon Whiz)							
											648 (Photon Plus)							
											798 (Photon Max)							
				2G	67.73	110		65	99.74 (RNC_PayG)		81 (EDGE)	157.94 (VMC699UL)		32.58			76.1	
				3G		2399			3346.93			1795.68 (MI 8GB)		575.94				
				HSD					661.01									
				CDMA					107.86 (RNC_PayG)		76 (Photon Whiz)							
											956 (Photon Plus)							
											1429 (Photon Max)							
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA							113 (EDGE)	185.83 (VMC699UL)		52.59			175.4	
				2G	133.75	189		117	163.12 (RNC_PayG)			3818.19 (MI 8GB)		840.69				
				3G		5162			3684.61									
				HSD					1006.53									
	6	Latency	Data <250ms	All Generations							110.36							
			2G (GSM)	147.09	103		95	109.9			62.83							
			3G		24			23.95			18.167		152.95					
			HSD					35.87										
			CDMA					139										
7	PDP Context Activation Success Rate	≥95%	All Generations							97.56			99.97			96.19		
			2G (GSM)	96.63	99.4		99.99	99.91			97.31							
			3G		100			99.5			98.72							
			HSD					98.06										
			CDMA					98.06										
8	Drop rate :		All Generations							1.62			2.38			3.8		
		≤5%	2G (GSM)	0.91	2.6		1.44	2.81			3.41							
			3G		0.2			0.99			0.69							
			HSD					0.51										
			CDMA					0.16										

Note 1: The text in the bracket (like RNC_PayG, Mblaze etc) are the plan names of the respective Service provider.

Note 2:All Operators except CDMA operators and Tata are not offering different plans based on the data throughput.

Sl. No.	Parameters	Benchmarks	Generations/ Technology	Aircel	Airtel	BSNL	Idea	RCL	RTL	TATA	Vodafone	Telewings	MTNL	MTS	Videocon	Loop	Quadrant		
North East	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.81	97		99.99		100		99.95							
	2	Successful data transmission download attempts	>80%	All Generations	100														
				2G (GSM)		100		100					99.5						
				3G		100													
				CDMA															
	3	Successful data transmission upload attempts	>75%	All Generations	100														
				2G (GSM)		100		100					99.35						
				3G		100													
4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	2G	108.44	133		80		46.13 (RNC_PayG)		102.88 (Pack @699)								
			3G	2637.96	1419				819.6										
5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	2G	157.77	179		126		103.10 (RNC_PayG)		150.99 (Pack @699)								
			3G	4216.2	2536				1397.7										
6	Latency	Data <250ms	2G (GSM)	124.33	242		105		227.57		235								
			3G	32.5	38				83.69										
7	PDP Context Activation Success Rate	≥95%	2G (GSM)	99.96	99.6		99.68		99.94		98.13								
			3G	99.96	100				98.78										
8	Drop rate :	≤5%	2G (GSM)	1.19	1.8		0.18		4.57		2.48								
			3G	0.94	0.7				0.86										
ORISSA	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.88			99.97	95	100	97	100							
	2	Successful data transmission download attempts	>80%	All Generations	100						100								
				2G (GSM)		100		100		100		99.92							
				3G						100									
				CDMA															
	3	Successful data transmission upload attempts	>75%	All Generations	100						100								
				2G (GSM)		100		100				100	94.28						
				3G						100									
4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA					64.78 (9RNC_PayG)		60 (Photon Whiz)									
									898 (Photon Plus)										
5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	2G	80.79	108		84		85.39 (RNC_PayG)	58 (EDGE)	64.19 (Plan-99_1GB)								
			3G	2314.24					1181										
6	Latency	Data <250ms	CDMA					84.33 (RNC_PayG)		68 (Photon Whiz)									
									1329 (Photon Plus)										
7	PDP Context Activation Success Rate	≥95%	2G	126.77	150		131		128.65 (RNC_PayG)	85 (EDGE)	120.82 (Plan-99_1GB)								
			3G	3215.36					2379										
8	Drop rate :	≤5%	All Generations							122.06									
			2G (GSM)	118.42	106		188		130.17		126.67								
9	PDP Context Activation Success Rate	≥95%	3G	66.83					60.83										
			CDMA					117											
10	Drop rate :	≤5%	All Generations							98.15									
			2G (GSM)	99.92	99.7		99.5		99.9		99.64								
11	Drop rate :	≤5%	3G	99.92					98.94										
			CDMA					98.06											
12	Drop rate :	≤5%	All Generations							0.44									
			2G (GSM)	0.73	2		1.93		1.88		2.69								
13	Drop rate :	≤5%	3G	0.6					0.76										
			CDMA					0.86											

Note 1: The text in the bracket (like RNC_PayG, Mblaze etc) are the plan names of the respective Service provider.

Note 2:All Operators except CDMA operators and Tata are not offering different plans based on the data throughput.

Sl. No.	Parameters	Benchmarks	Generations/ Technology	Aircel	Airtel	BSNL	Idea	RCL	RTL	TATA	Vodafone	Telewings	MTNL	MTS	Videocon	Loop	Quadrant	
PUNJAB	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.88		100	99.9		97	98.68							
	2	Successful data transmission download attempts	>80%	All Generations	99.95					100								97.28
				2G (GSM)		100		100	100			100						
				3G				100	100									
				HSD					100									
				CDMA					100									
	3	Successful data transmission upload attempts	>75%	All Generations	99.89						100							96.79
				2G (GSM)		100		100	100			100						
				3G				100	100									
				HSD					100									
				CDMA					100									
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA					108.40 (RNC_PayG)		53 (Photon Whiz)							
											356 (Photon Plus)							
											1364 (Photon Max)							
				2G	84.07	38		111	100 (RNC_PayG)		26 (EDGE)	130.99 (Unlimited@ 199)						111
				3G	2201.94			2587	1370.8 (5GB_UL)		822 (Photon 3G)							
											1055 (Photon 3G)							
											3210 (Photon 3G+)							
				HSD					837.1									
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA					120.60 (RNC_PayG)		77 (Photon Whiz)							
											862 (Photon Plus)							
											2240 (Photon Max)							
				2G	118.29	155		161	140.8 (RNC_PayG)		57 (EDGE)	157.9 (Unlimited@ 199)						149
				3G	3020.18			3902	2524.8 (5GB_UL)		1494 (Photon 3G)							
										2017 (Photon 3G)								
										4957 (Photon 3G+)								
			HSD					1276.6										
6	Latency	Data <250ms	All Generations							77							243	
			2G (GSM)	122.1	200		125	197			86.27							
			3G	60.93			89	35										
			HSD					58										
			CDMA					193										
7	PDP Context Activation Success Rate	≥95%	All Generations							98							98.13	
			2G (GSM)	99.28	99.7		99.74	99.98			99.87							
			3G	99.28			98.44	99.26										
			HSD					98.06										
			CDMA					98.06										
8	Drop rate :	<5%	All Generations							2.3							1.71	
			2G (GSM)	0.99	0.9		1.61	1.89			1.72							
			3G	1.18			0.43	0.49										
			HSD					0.44										
			CDMA					0.4										

Note 1: The text in the bracket (like RNC_PayG, Mblaze etc) are the plan names of the respective Service provider.

Note 2:All Operators except CDMA operators and Tata are not offering different plans based on the data throughput.

Sl. No.	Parameters	Benchmarks	Generations/ Technology	Aircel	Airtel	BSNL	Idea	RCL	RTL	TATA	Vodafone	Telewings	MTNL	MTS	Videocon	Loop	Quadrant			
RAJASTHAN	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.86	98		100	99.33		99	99.88								
	2	Successful data transmission download attempts	>80%	All Generations	99.34						100									
				2G (GSM)			100		100	99.17			100							
				3G			100			100										
				HSD						100										
				CDMA						100						100				
	3	Successful data transmission upload attempts	>75%	All Generations	97.57						100									
				2G (GSM)			100		100	98.58			100							
				3G			100			100										
				HSD						100										
				CDMA						100										
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA						72.73 (RNC_PayG)		66 (Photon Whiz)				826 (Mblaze)				
												730 (Photon Plus)				1320 (Mblaze Ultra)				
				2G	60.81	51		116	68.27 (RNC_PayG)		92 (EDGE)		118.72 (Unlimited GB (VL+VMC)@599)							
				3G		200			1809.55 (5GB_UL)											
				HSD					670.64											
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA						109.45 (RNC_PayG)		82 (Photon Whiz)				1559 (Mblaze)				
												1084 (Photon Plus)				2910 (Mblaze Ultra)				
				2G	143.45	112		154	112.92 (RNC_PayG)		122 (EDGE)		173.49 (Unlimited GB (VL+VMC)@599)							
				3G		2078			2479.55 (5GB_UL)											
				HSD					907.15											
	6	Latency	Data <250ms	All Generations								96								
				2G (GSM)	111.34	201		105	238				127.67							
				3G		126			55											
HSD								63												
CDMA								187								80				
7	PDP Context Activation Success Rate	≥95%	All Generations							98										
			2G (GSM)	99.26	99.3		99.07	97.15			99.83									
			3G		99.1			98.85												
			HSD					98.06												
			CDMA					98.06								98.7				
8	Drop rate :	≤5%	All Generations							1.6										
			2G (GSM)	1.02	1.2		0.18	1.92			2.91									
			3G		0.8			0.92												
			HSD					0.31												
			CDMA					0.56								1				

Note 1: The text in the bracket (like RNC_PayG, Mblaze etc) are the plan names of the respective Service provider.

Note 2:All Operators except CDMA operators and Tata are not offering different plans based on the data throughput.

Sl. No.	Parameters	Benchmarks	Generations/ Technology	Aircel	Airtel	BSNL	Idea	RCL	RTL	TATA	Vodafone	Telewings	MTNL	MTS	Videocon	Loop	Quadrant		
TAMILNADU	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	99.53	100		100	97		99	99.99								
	2	Successful data transmission download attempts	>80%	100		100	100	99.72		100		100							
	3	Successful data transmission upload attempts	>75%	All Generations							100				100				
				2G (GSM)	100	100		100	99.75				100						
				3G		100								100					
				HSD					99.91										
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA					59.83 (RNC_PayG)			33 (Photon Whiz)				813 (Mblaze)			
												273 (Photon Plus)				1162 (Mblaze Ultra)			
													656 (Photon Max)						
				2G	85	107		92	71.63 (RNC_PayG)			38 (EDGE)	107.52 (199 Unlimited 2GB)						
				3G	1194.67	1544							1446.67 (650 Unlimited 3GB)						
				HSD					514.79										
				CDMA					97.11 (RNC_PayG)			64 (Photon Whiz)					1034 (Mblaze)		
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.								865 (Photon Plus)					1396 (Mblaze Ultra)			
											1286 (Photon Max)								
				2G	133.33	154		137	144.94 (RNC_PayG)			89 (EDGE)	140.18 (199 Unlimited 2GB)						
				3G	3177.81	2434							3000 (650 Unlimited 3GB)						
				HSD					937.89										
	6	Latency	Data <250ms	All Generations							108.29								
				2G (GSM)	116.33	222		115	112.57				259						
3G				36.67	48														
HSD								46.58											
CDMA								154.7				69.67				50			
7	PDP Context Activation Success Rate	≥95%	All Generations							98.14									
			2G (GSM)	96.63	100		99.64	99.91				99.8							
			3G	96.63	100							99.81							
			HSD					97.53											
			CDMA					97.53								99.4			
8	Drop rate :	≤5%	All Generations							0.97									
			2G (GSM)	0.59	0.5		1.37	0.59				3.74							
			3G	1.2	0.2							0.64							
			HSD					1.2											
			CDMA					0.73								1.5			

Note 1: The text in the bracket (like RNC_PayG, Mblaze etc) are the plan names of the respective Service provider.

Note 2:All Operators except CDMA operators and Tata are not offering different plans based on the data throughput.

Sl. No.	Parameters	Benchmarks	Generations/ Technology	Aircel	Airtel	BSNL	Idea	RCL	RTL	TATA	Vodafone	Telewings	MTNL	MTS	Videocon	Loop	Quadrant	
UP EAST	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.94		100	100		95	99	100						
	2	Successful data transmission download attempts	>80%	All Generations	100						100		100					
				2G (GSM)		100		100	99.67			99.25						
				3G				100				99.42						
				HSD					99.73									
				CDMA					99.83									
	3	Successful data transmission upload attempts	>75%	All Generations	98						100		100					
				2G (GSM)		100		100	99.54			98.52						
				3G				100				99.41						
				HSD					99.72									
				CDMA					99.56									
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA					81.89 (RNC_PayG)		72.7 (Photon Whiz)							
											486.7 (Photon Plus)							
											1052.3 (Photon Max)							
				2G	123	130		118	72.51 (RNC_PayG)		55.33 (EDGE)	68.23 (Rs.1599 12GB Free)	95.3					
				3G	1310.72			2308				1450.15 (Rs.1599 12GB Free)						
				HSD					552.48									
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA					113.06 (RNC_PayG)		79.9 (Photon Whiz)							
											1210.27 (Photon Plus)							
											1884.32 (Photon Max)							
				2G	186.33	159		153	125.68 (RNC_PayG)		106.44 (EDGE)	131.76 (Rs.1599 12GB Free)	109.1					
				3G	3734.19			3497				3333.24 (Rs.1599 12GB Free)						
				HSD					958.57									
	6	Latency	Data <250ms	All Generations							92.05		120					
				2G (GSM)	159.67	230		119	132.13			225.67						
				3G	54.83			60				63.33						
				HSD					42.85									
				CDMA					151.7									
7	PDP Context Activation Success Rate	≥95%	All Generations							97.28		99.05						
			2G (GSM)	99.6	99.8		98.83	97.15			99.86							
			3G	99.6			99.05				99.72							
			HSD					98.06										
			CDMA					98.06										
8	Drop rate :	≤5%	All Generations							1.9		4.4						
			2G (GSM)	0.66	0.8		0.99	2.39			3.56							
			3G	0.4			2.24				0.66							
			HSD					0.78										
			CDMA					0.83										

Note 1: The text in the bracket (like RNC_PayG, Mblaze etc) are the plan names of the respective Service provider.

Note 2:All Operators except CDMA operators and Tata are not offering different plans based on the data throughput.

Sl. No.	Parameters	Benchmarks	Generations/ Technology	Aircel	Airtel	BSNL	Idea	RCL	RTL	TATA	Vodafone	Telewings	MTNL	MTS	Videocon	Loop	Quadrant	
UP WEST	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.96	100	100	98.6		97	99.92	100						
	2	Successful data transmission download attempts	>80%	All Generations	98						100		100		99.9			
				2G (GSM)		99.9		100	100			100						
				3G		87.2		100										
				HSD					100									
				CDMA					100									
	3	Successful data transmission upload attempts	>75%	All Generations	95.67						100		100					
				2G (GSM)		100		100	100			100						
				3G		93.6		100										
				HSD					99.83									
				CDMA					99.94						99.7			
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA					84.90 (RNC_PayG)		57 (Photon Whiz)				511 (Mblaze)			
											908 (Photon Plus)				878 (Mblaze Ultra)			
											1432 (Photon Max)							
				2G	75.83	36		104	111.05 (RNC_PayG)		79 (EDGE)	85.58 (250 with 1 GB data)	82.4					
				3G		192		2156			1469 (Photon 3G)							
											2483 (Photon 3G)							
											3686 (Photon 3G+)							
				HSD					573.14									
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA					111.19 (RNC_PayG)		75 (Photon Whiz)				800 (Mblaze)			
											1538 (Photon Plus)				1446 (Mblaze Ultra)			
											2423 (Photon Max)							
				2G	142.05	133		121	171.69 (RNC_PayG)		109 (EDGE)	148.96 (250 with 1 GB data)	113.9					
				3G		1071		4455			1893 (Photon 3G)							
										3617 (Photon 3G)								
										5143 (Photon 3G+)								
			HSD					884.35										
6	Latency	Data <250ms	All Generations							65.8		114						
			2G (GSM)	142.78	196		128	181.66			120							
			3G		56		54											
			HSD					64.04										
			CDMA					191.55						64				
7	PDP Context Activation Success Rate	≥95%	All Generations							98.4		99.05						
			2G (GSM)	91.49	100		99.61	99.98			99.86							
			3G		100		99.64											
			HSD					97.25										
			CDMA					97.25						99				
8	Drop rate :	≤5%	All Generations							1.8		3.1						
			2G (GSM)	0.52	0.6		1.04	1.4			3.49							
			3G		0.5		2.45											
			HSD					0.93										
			CDMA					1.05						0.9				

Note 1: The text in the bracket (like RNC_PayG, Mblaze etc) are the plan names of the respective Service provider.

Note 2:All Operators except CDMA operators and Tata are not offering different plans based on the data throughput.

Sl. No.	Parameters	Benchmarks	Generations/ Technology	Aircel	Airtel	BSNL	Idea	RCL	RTL	TATA	Vodafone	Telewings	MTNL	MTS	Videocon	Loop	Quadrant	
WEST BENGAL	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.94		99.84	100	100	95	99.7							
	2	Successful data transmission download attempts	>80%	All Generations	100		100			100		99.92						
				2G (GSM)						99.17								
				3G						99.83								
				CDMA					100			98.21			100			
	3	Successful data transmission upload attempts	>75%	All Generations	100						100							
				2G (GSM)			100			99.39								
				3G						96.82								
				CDMA					100			98.19						
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA					86.03 (RNC_PayG)		63 (Photon Whiz)				313 (Mblaze)			
															595 (Mblaze Ultra)			
				2G	42.62		92			84.21 (RNC_PayG)	68 (EDGE)	62.54 (2GB Plan)						
				3G	1797.71					1036.98		1318.75 (5GB Plan)						
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA					126.92 (RNC_PayG)		89 (Photon Whiz)				1194 (Mblaze)			
															2244 (Mblaze Ultra)			
				2G	138.87		141			156.17 (RNC_PayG)	128 (EDGE)	135.49 (2GB Plan)						
				3G	3071.64					1876.52		4691.68 (5GB Plan)						
	6	Latency	Data <250ms	All Generations	126.67						183.89							
				2G (GSM)	32		193			180.95		106.83						
				3G						32.62		47.06						
				CDMA					164.04						70			
	7	PDP Context Activation Success Rate	≥95%	All Generations							97.65							
				2G (GSM)	97.1		98.75			99.9		99.64						
				3G	97.1					98.94		99.3						
			CDMA					97.53						97.8				
8	Drop rate :	≤5%	All Generations							0.83								
			2G (GSM)	1.01		0.99			NA		4.46							
			3G	0.97					NA		0.81							
			CDMA											1.2				

Note 1: The text in the bracket (like RNC_PayG, Mblaze etc) are the plan names of the respective Service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Note 1: The text in the bracket (like RNC_PayG, Mblaze etc) are the plan names of the respective Service provider.

Note 2: All Operators except CDMA operators and Tata are not offering different plans based on the data throughput.