

India Profile (2018)

Various statistics (Latest data available: 2018)

Fixed-telephone subscriptions per 100 inhabitants	1.6167
Mobile-cellular subscriptions per 100 inhabitants	86.9426
Fixed (wired)-broadband subscriptions per 100 inhabitants	1.3433
Mobile-broadband subscriptions per 100 inhabitants	37.5395
Households with a computer (%)	16.571
Households with Internet access at home (%)	25.3839
Individuals using the Internet (%)	34.45

Regulatory Authority (Latest data available: 2017)

Please provide the name of the Head of the Regulatory Authority	Mr.R.S.Sharma
Please provide the exact title of the Head of the Regulatory Authority.	Chairman
Name of the telecom/ICT regulator	Telecom Regulatory Authority of India

Policy Maker (Latest data available: 2017)

Please provide the name and contact details of the main Policy-Maker in charge of telecommunications/ICTs	Ministry of Communications & Information, Department of Telecommunications
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Level of Competition (Latest data available: 2017)

Cable modem	C
Cable Television	C*
Data2012	C*
Domestic fixed long distance2013	C*
Fixed Satellite Services (FSS)2001	M
Fixed Wireless Broadband2013	C*
GMPCS (FSS/MSS)2001	P
IMT (3G, 4G, etc.)2011	P
International Gateways2013	C*
International Fixed Long Distance2013	C*
Internet Services2013	C*
Leased Lines2013	C*
Wireless Local Loop2013	C*
Local Fixed Line Services2013	C*
Mobile2013	C*
Mobile Satellite Services (MSS)2013	C
Paging2005	C
VSAT2013	C*
DSL2013	C*

M: Monopoly
P: Partial competition (year when competition was introduced)
C: Full competition (year when competition was introduced)
N: N/A

Institutional Details (Latest data available: 2017)

Regulator autonomous in decision making	Yes
Who is responsible for approving the budget of the Regulator? [2010]	Parliament of India
Legal document creating the regulator	Telecom Regulatory Authority of India Act, 1997
Sources of regulator's budget and % financed from each source	• Licence fees, percentage: 100,
Regulator also regulates other utilities	• No
Reporting requirements of the regulator	• Report to Legislature/Parliament • Annual report to Sector Ministry
Year separate regulator created	1997

Structure Regulator (Latest data available: 2017)

Please provide the name of the Head of the Regulatory Authority	Mr.R.S.Sharma
Please provide the exact title of the Head of the Regulatory Authority.	Chairman
Regulator is a collegial body	Yes
If Yes, please provide the total number of members/commissioners (including the Head). [2013]	5
Is the Head of the Commission also responsible for day-to-day administrative matters?	Yes
What is the normal period of appointment for the members and the Head of the Regulatory Authority? [2011]	3 years
Please provide the total number of staff in the Regulatory Authority.	181

Regulatory Functions (Latest data available: 2017)

Entity in charge of licensing2015	S
Entity in charge of interconnection rates2015	R
Entity in charge of price regulation2015	R
Entity in charge of technical standards setting2015	S
Entity in charge of radio frequency allocation and assignment2015	S
Spectrum Monitoring and Enforcement2015	S
Entity in charge of numbering2015	S
Entity in charge of type approval2015	S
Entity in charge of service quality monitoring2015	R
Entity in charge of universal service/access2015	S
Quality of service standards setting2015	S R
Entity in charge of enforcement of quality of service obligations2015	S R
Broadcasting (sound transmission)	S R
Entity in charge of broadcasting content	S
Entity in charge of Information Technology2015	S
Entity in charge of Internet content2015	O

S: Sector Ministry
 O: Other Ministry or Government body
 R: Regulatory Authority
 Op: Operator
 N: Not regulated
 M: If more than one entity or another body is involved in this function, please explain

Universal Service - services covered and operator obligations (Latest data available: 2015)

Definition of universal service/access exists	Yes
Universal access/service policy adopted	Yes
Voice services included in Universal service/access definition	<ul style="list-style-type: none"> • Fixed line private residential service as part of universal service definition • Fixed line public payphone service as part of universal service definition • Individual mobile cellular service as part of universal service definition • Public mobile payphone service as part of universal service definition
Internet services included in Universal service/access definition	• Broadband as part of universal service definition
Other services included in Universal service/access definition	<ul style="list-style-type: none"> • Telecentres as part of universal service definition • Schools ;, • Health centres ;, • Emergency services as part of universal service definition • Telecentres as part of universal service definition Explain: i) Creation of Infrastructure for provision of Mobile Services in rural and remote areas ii) Provision of Broadband connectivity to villages in a phased manner iii) Creation of general infrastructure in rural and remote areas for development of telecommunication facilities iv) Introduction of new technological developments in the telecom sector in rural and remote areas.,
Operators under universal access/service obligation	• Obligations allocated on competitive basis
Operators/service providers required to offer below-cost prices	Yes

Financing of Universal Service activities and/or Universal Service Funds (Latest data available: 2015)

Means of financing operator(s) universal access/service obligations	• Universal service funds
Other financing mechanisms for the provision of Universal service	No
If Yes, please explain	
Operational Universal Service Fund	Yes
If Yes, when? [2008]	2002
Operators/ service providers required to contribute to USF	• All network/facilities-based operators
Means of calculating USF contribution amounts	• Other Indicate: 5% of Adjusted Gross Revenue (AGR),
USF financed by other sources	No
USF budget financing by source (in percentage)	
Regulator administrating USF	No
If No, name the entity responsible [2012]	Administrator, Universal Service Obligation Fund, Ministry of Communications & IT

Interconnection issues (Latest data available: 2018)

Interconnection charging principle adopted	• Asymmetric
If asymmetric charging, how it was decided?	

Approach used to regulate interconnection prices (Latest data available: 2014)

Approach used to regulate fixed termination rates FDC

Approach used to regulate mobile termination rates FDC

LRIC: LRIC cost model

FDC: FDC cost model

B: Benchmarking

O: Other

N: None

NGN (Latest data available: 2018)

Stage of introduction of NGN system by operators • Implementation

Cost model used (or planned) to calculate costs/tariffs of NGN Services • Other please specify: May be decided after the Consultation process,

NGN - Regulation of IP networks (Latest data available: 2018)

Regulations that govern the use of IP networks for Data Services I

Regulations that govern the use of IP networks for Voice Services I

USO: Regulatory arrangements subject to universal service obligations

I: Regulatory interconnection arrangements with networks using switching circuits

B: Banning of services based on IP

No: No regulatory arrangements defined at present

O: Other