



Vodafone Idea Limited

June 27, 2024



Company Overview



VIL: An Overview

Extensive network

~8,030 MHz

Spectrum holdings⁽¹⁾



~183,800

Unique locations



~430,700

Broadband sites



~299,300 km

OFC⁽²⁾



Demonstrated scale and reach

> 487,000

Towns and villages covered



~213 million

Subscriber base



1.2 billion+

Population coverage



Advanced technology and consumer experience



13,900+

4G MIMO radio deployment



Edge cloud

60+ Distributed Cloud Locations



Entertainment and media partnerships

supporting ARPU growth through enhanced user experience



Digital Initiative of the year (Asian Telecom Awards 2023)



Best customer experience team (CX Today Awards 2023)

Source: Company filings as of Mar-31, 2023

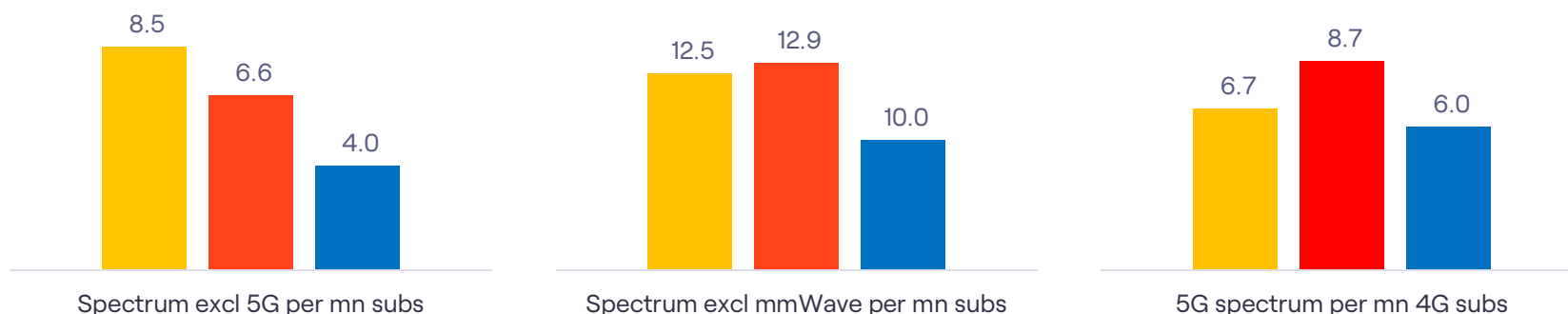
(1) As on June 26, 2024 after the 2024 spectrum auction. Includes ~19 MHz of non-liberalized spectrum. Liberalized spectrum is spectrum freely usable towards deployment of any technology.

(2) Including own built, IRU OFC and excluding overlapping routes.

Competitive and adequate spectrum to fuel growth

Spectrum Holding per mn subs¹ – unpaired basis (MHz)

■ Vodafone Idea ■ Bharti Airtel ■ Jio



All spectrum which can be utilised towards 4G*

	VIL	Airtel	Jio
Spectrum (MHz) ²	1,812.8	2,338.4	1,920.8
Subscribers (Mn) ³	213.0	352.0	481.8

All spectrum except 26 GHz[#]

	VIL	Airtel	Jio
Spectrum (MHz) ²	2,661.6	4,538.4	4,800.8
Subscribers (Mn) ³	213.0	352.0	481.8

700MHz and 3300 MHz to offer 5G services[^]

	VIL	Airtel	Jio
Spectrum (MHz) ²	850.0	2,200.0	2,880.0
Subscribers (Mn) ³	126.3	252.7	481.8

VIL has highest 4G spectrum per mn subs⁴ which is expected to drive near term growth; Sufficient spectrum is available to support migration of entire 4G subs to 5G

*excludes non-liberalised spectrum as well as 700 MHz, 3300 MHz and 26GHz spectrum

[#]excludes non-liberalised spectrum and 26GHz given the use cases are still developing

[^]calculated on the basis of 4G/5G subs for respective operator

¹. Calculated by dividing respective spectrum holding with respective subscribers ². Source: Department of Telecommunications after 2024 Spectrum Auction ³. Source: Subs/4G Subs as reported in quarterly results as on Mar 31, 2024. In case of Airtel, this represents Mobile Services India segment and in case of Jio, reported subs are considered as 4G/5G subs ⁴. Amongst the top 3 operators by subscribers

Trusted brand with strong proposition

Trusted Indian brand



Together For Tomorrow

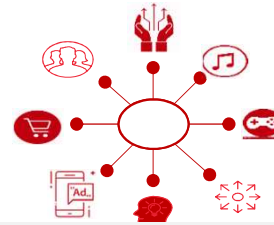
- 3+ decades of operations backed by strong brand recall and management with global expertise
- Strong unified brand brings together the power of two brands – Vodafone and Idea into one
- Trusted by ~213 million customers in India
- Large Enterprise customer base with long standing relationships

Extensive reach



- Ability to communicate effectively with ~213 million users
- 95%+ district distribution coverage, serving customer across 763k+ retailers and 2.2k+ branded urban stores
- Strong data and analytics enabling personalization at large scale

Digital Assets



- 24x7 connectivity with Distributors and retailers; real time market information
- Customer servicing and acquisition
- Competitive content offering through partnerships with several global & regional content providers
- Vi app – continuously growing digital ecosystem through collaboration with several partners

Strong Proposition



- Gross adds share higher than Customer Market Share (CMS) indicating ability to effectively compete in market
- Investments in network will help further enhance brand proposition and customer experience
 - Enhance proportion of high ARPU subscribers through superior network experience
 - Drive migration of subscribers from 2G to 4G

Offering quality customer services



Strong Promoters and Support from GOI

- VIL has strong parentage with the promoters, Aditya Birla Group and Vodafone Group
- In addition to being the policy maker and largest creditor, Government of India now owns 23.2%¹ equity stake post the conversion of debt representing NPV of interest arising from deferment of AGR and spectrum instalments into equity
- Both Vodafone and Aditya Birla Group have invested significant capital into the business
 - VIL raised Rs. 250 bn in May 2019 through a rights issue, including Rs. 179.2 bn contributed by the promoter group
 - Promoter group invested a further ~Rs. 70 bn in last 2 years

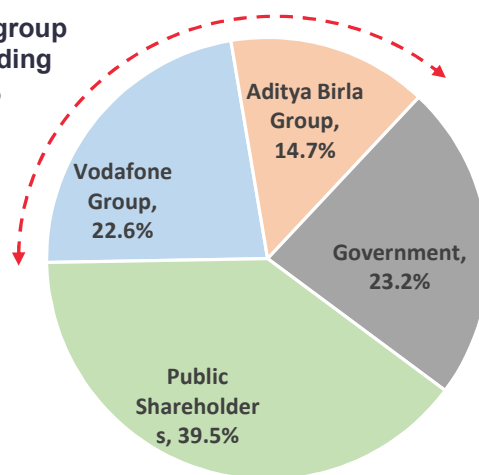


ADITYA BIRLA GROUP

- Global conglomerate with a rich legacy of 165+ years and presence across 40 countries
- Presence in various sectors including cement, metals and mining, mobile telecommunications, fashion retail, financial services, textiles, carbon black, trading, chemicals, renewables, paints, real estate and jewellery retail

Shareholding Post Further Public Offer and Preferential Issue¹

Promoter group Shareholding
~37%



vodafone

- Leading European and African telecoms company
- Mobile and fixed services to over 330 million customers in 15 countries, partner with mobile networks in 45 more
- One of the world's largest IoT platforms

Raised ~Rs. 240² bn in 2024 of which ~Rs. 21 bn has been invested by promoters

1. Source: Shareholding as on May 21, 2024 adjusted for proposed preferential issuance to Nokia and Ericsson post shareholder approval in EGM scheduled on July 10, 2024. Post such issuance, the shareholding of Nokia and Ericsson will be 1.5% and 0.9% respectively. 2. Including OCD conversion by ATC and preferential issuance to Nokia and Ericsson

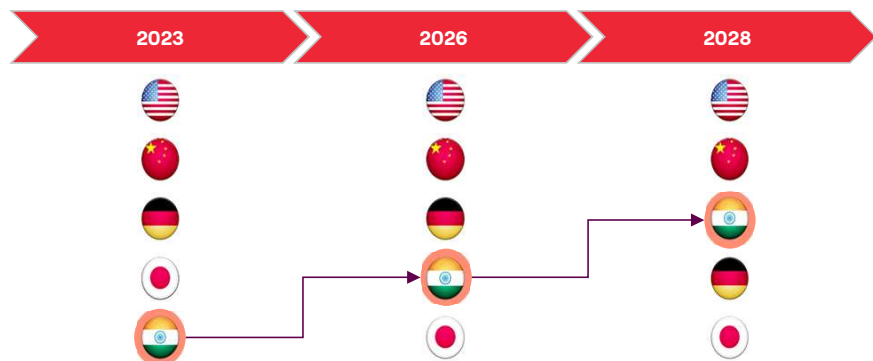
**Growth
Opportunities**



Growth potential in the Indian telecom sector (1/2)

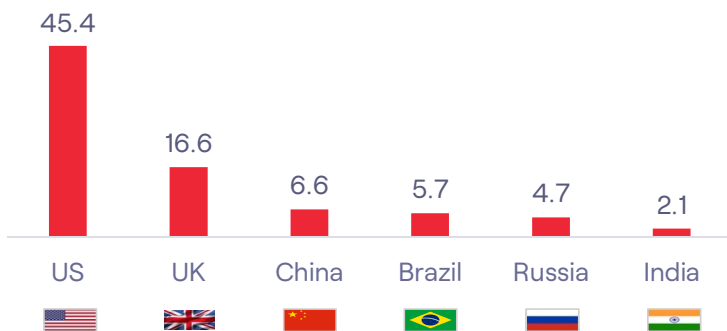
India is expected to become the third largest economy by 2028

Ranking of top 5 economies based on Nominal GDP¹



ARPU of major countries

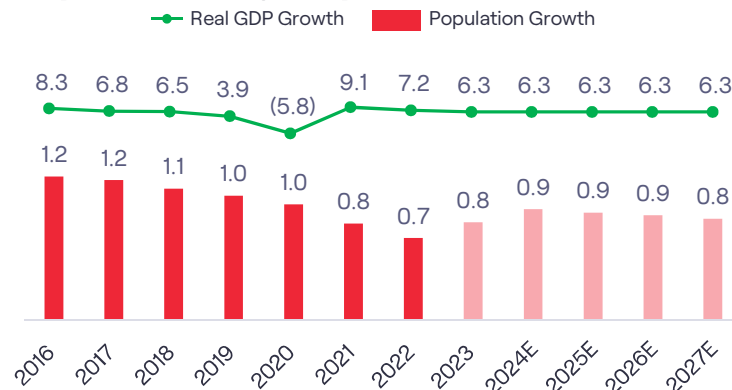
\$ per month²



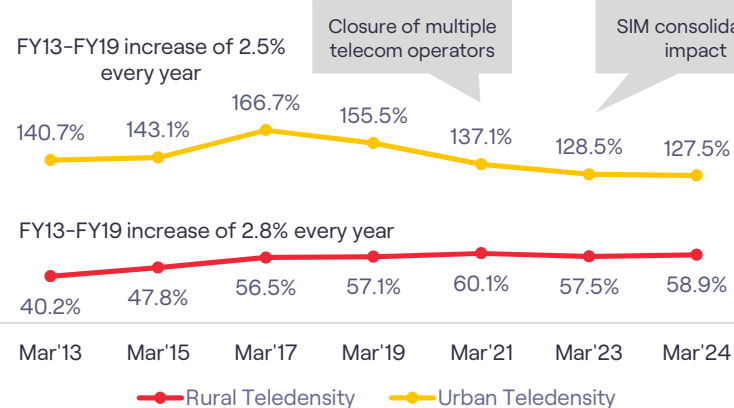
© GSMA Intelligence Service 2020

Large and growing population

Real GDP growth YoY (%) and Population growth YoY (%)¹



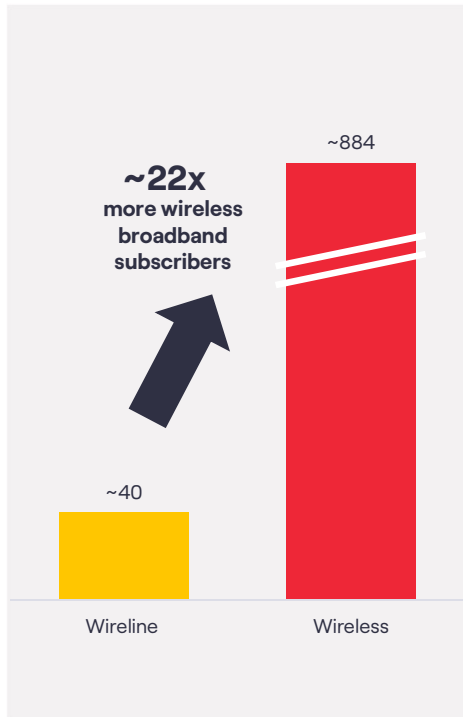
Urban teledensity³ to remain high & rural teledensity³ is low with untapped market



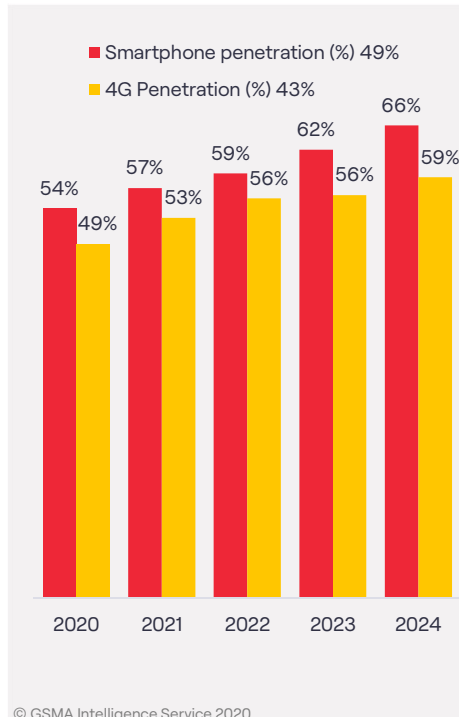
Source: 1. IMF World Economic Outlook Database, Oct 2023 2. GSMA Intelligence Dashboard 3. TRAI Subscription Report

Growth potential in the Indian telecom sector (2/2)

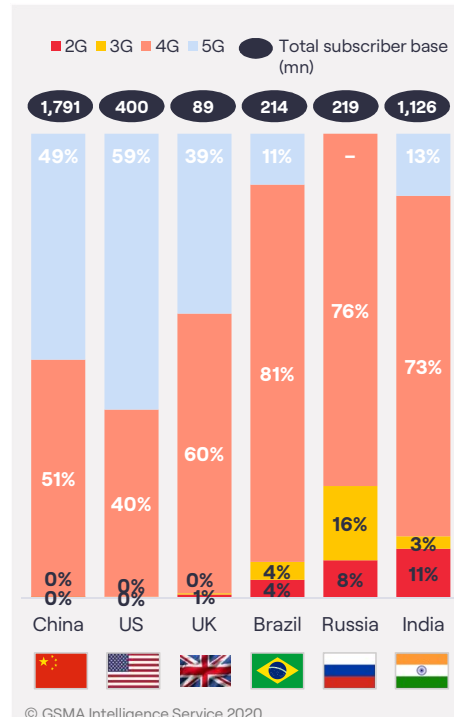
Broadband Subscribers¹(mn)
(Mar'24)



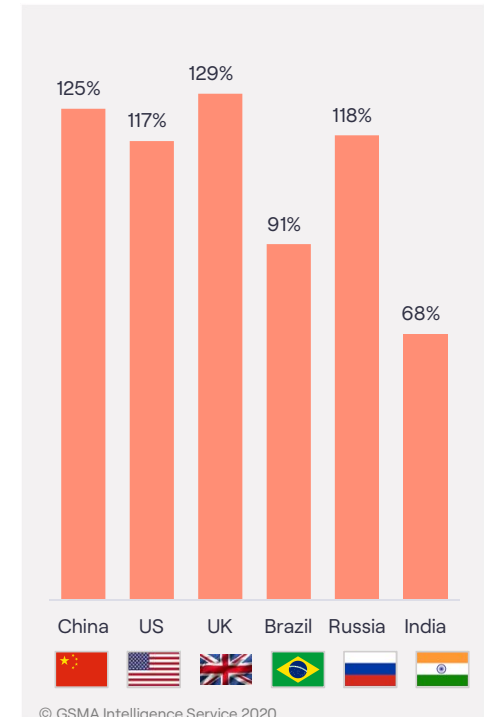
4G wireless penetration and smartphone adoption² in India
(% of population - Mar end)



Penetration by access technology²
(% of subscribers - Mar 2024)



4G/5G wireless penetration²
(% of population - Mar-24)



Mobile broadband is primary medium to access internet and expected to continue its growth trajectory as large proportion of 2G/3G subscribers to still migrate to 4G/5G and low 4G/5G penetration relative to global peers

1. Source: TRAI Subscription Report Mar'24.

2. Source: GSMA Intelligence database

Digital Revolution in India offers substantial growth opportunities

Key trends and enablers

Key Trends

Digital India vision¹

- Digital infrastructure to every citizen
- Governance and services on demand
- Digital empowerment of every citizen

Government Push for India's Digital Revolution²

- Open Network for Digital Commerce
- Drive to provide quality internet
- Reforms in Digital Payments
- Push towards Data Centres

Explosion of data usage

- Lower ARPU than major world economies³
- COVID-19 has accelerated India's digital journey⁴
- Data usage per sub increased by 19x since Mar 2017 and in Sep'23, is at ~19GB per sub⁵

Key Enablers / Opportunities



1.4bn
people in world's largest unique identity program with authentication by mobile⁶



~1.1bn
active wireless phone subscribers⁷



~884mn
wireless broadband subs⁷



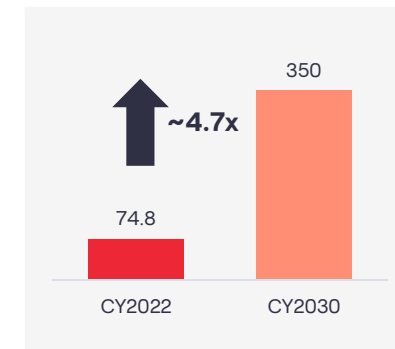
43.1%
rural internet penetration Dec 23⁵; increased from 35%⁵ in Dec20 showing growth of ~24% in last 3 years

Rapid digitalization of Indian market

UPI monthly transaction amount (USD bn)⁸

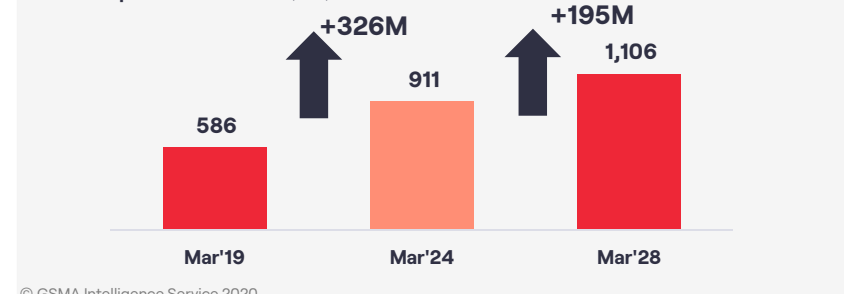


Indian E-Commerce Market (USD bn)⁹



Increasing smartphone usage

Total smartphone subscribers (mn)³



© GSMA Intelligence Service 2020

Note: FX 1USD=82 Rs.

Sources: 1. www.blog.mygov.in/ 2. www.https://www.ibef.org/ 3. GSMA Intelligence database

4. www.weforum.org

5. TRAI Performance Indicator Report Dec. Internet subscribers includes wireless and wireline subscribers.

6. Unique Identification Authority of India.

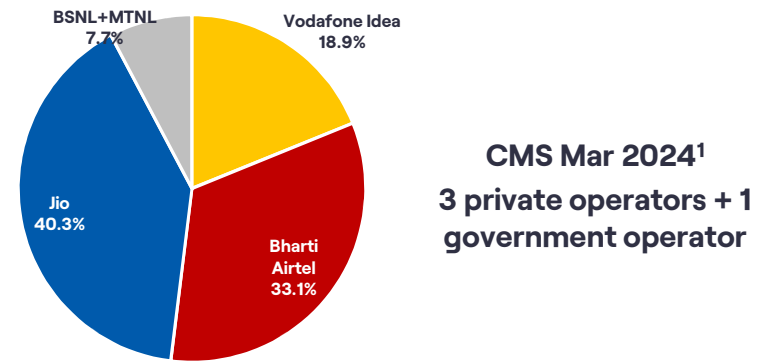
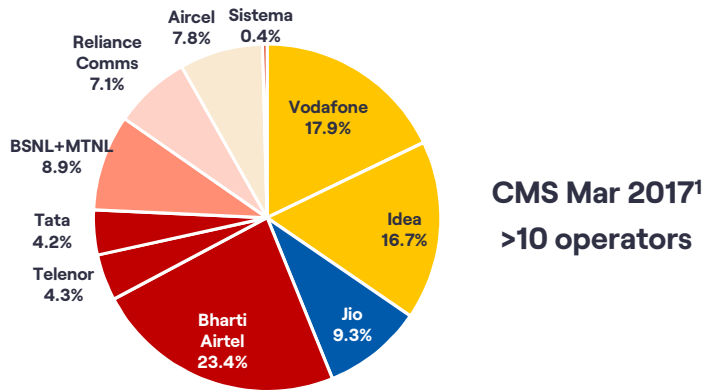
7. TRAI Subscription Report Mar 2024.

8. NPCI Database. A Unified Payment Interface (UPI) is an instant real-time payment system developed by National Payments Corporation of India ("NPCI") facilitating inter-bank transaction via a smartphone application..

9. E-commerce in India by Statista

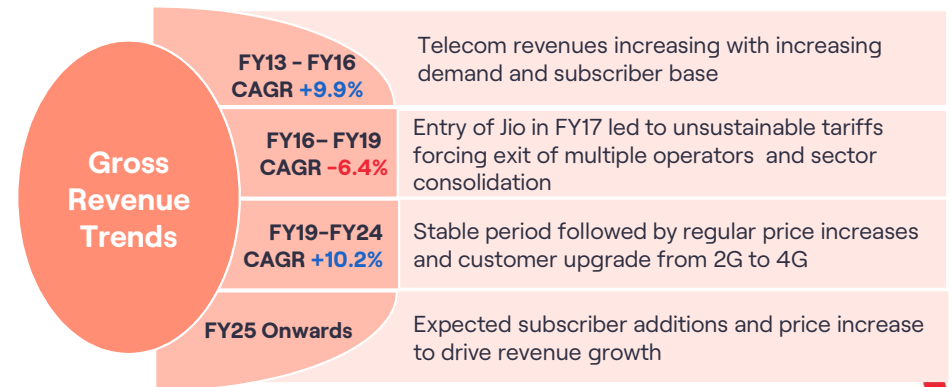
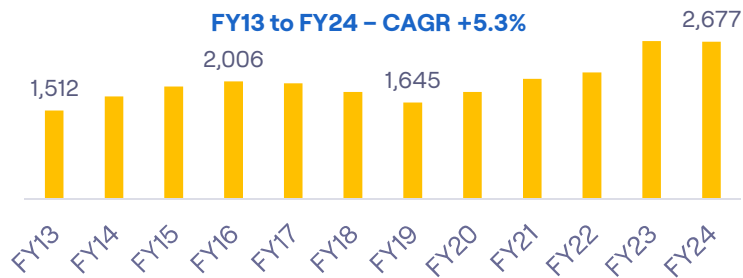
Market structure providing clear runway for market repair

Market structure that encourages healthy competition



Significant growth potential for Telecom Revenue

Gross Revenue (Rs Bn)²



Sources: 1. Customer Market Share (CMS) as per TRAI Subscription Report (EOP subs) 2. TRAI Financial Reports

VIL

Strategy



Vodafone Idea Strategy

1 Focused network investments to drive coverage and capacity expansion



- Investment focus in 17 circles to improve competitiveness in priority markets
- 4G coverage and capacity expansion to enhance customer experience and 5G Introduction
- Deploying 5G technologies like Cloudification of Core, DSR, Open RAN etc.
- Sufficient mid band and mmWave 5G spectrum for foreseeable future

2 Market initiatives to drive ARPU improvement and Customer Retention



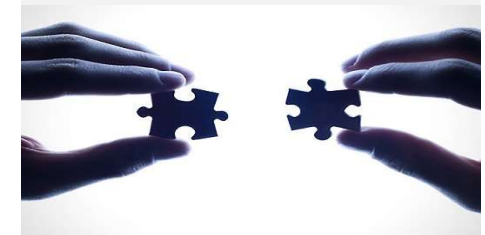
- Build consumer preference and trust through messaging architecture
- Drive extraction in new 4G geographies as we expand our coverage
- Scale up share of primary SIM in covered geographies by delivering best in class experience & differentiated propositions
- Drive digitalization of customer service and distribution for new customer acquisitions, supporting upsell and better retention

3 Focus on Business services through Telco-to-Techco transformation



- Protect & Grow connectivity business through superior customer experience & Vodafone Group Global expertise
- Strengthen SME/SOHO relationship through digital propositions
- Focus on fast growing integrated IoT segment by offering End2End services
- Multi-Cloud Services central to growth strategy

4 Strategic collaborations to monetize digital opportunities



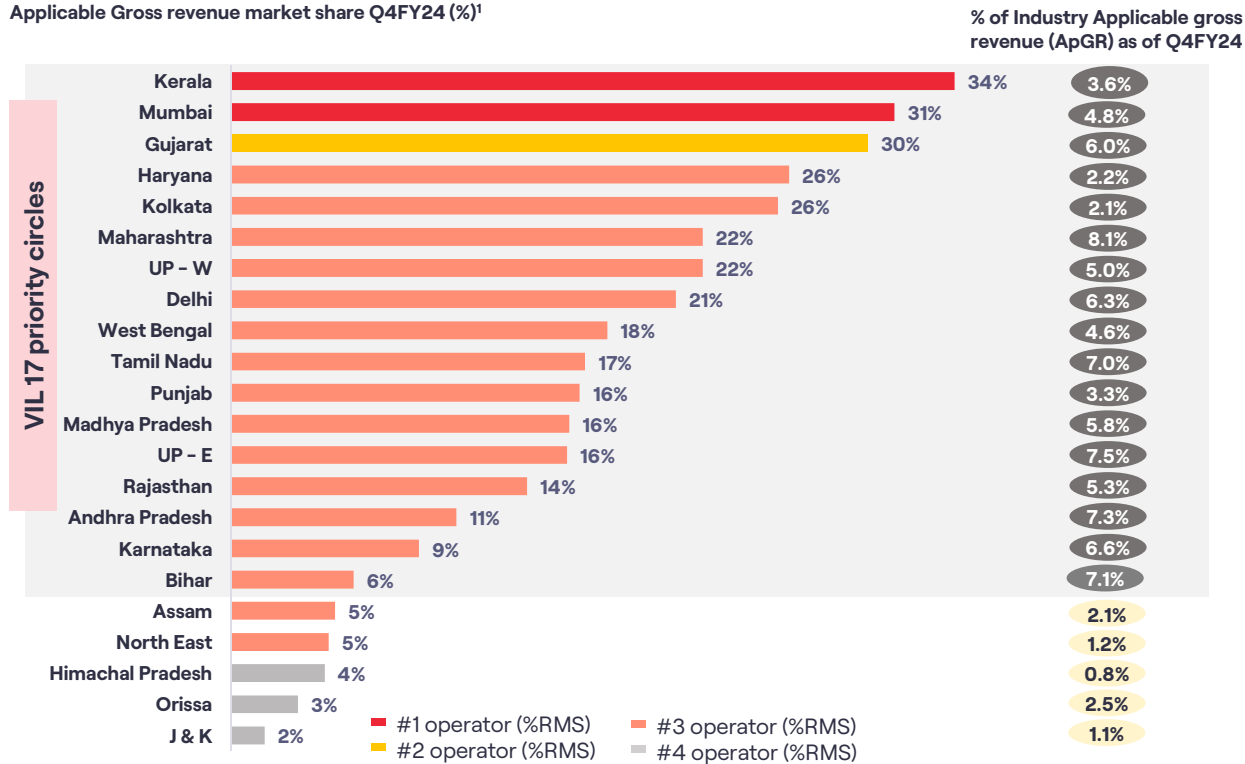
- Deep integration to deliver differentiated Telco + experience & value for partners and customers
- Create data monetization opportunities using platform capabilities
- Partner the Digital India agenda via Access, Data & Affordability

Digital Transformation, Enhanced Customer Experience and Partnerships to Drive Cash Generation

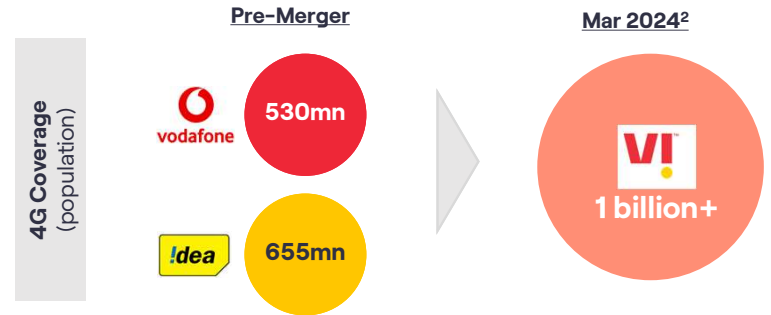
1 Focused investments to drive coverage & capacity expansion

Focused network investment in 17 priority circles

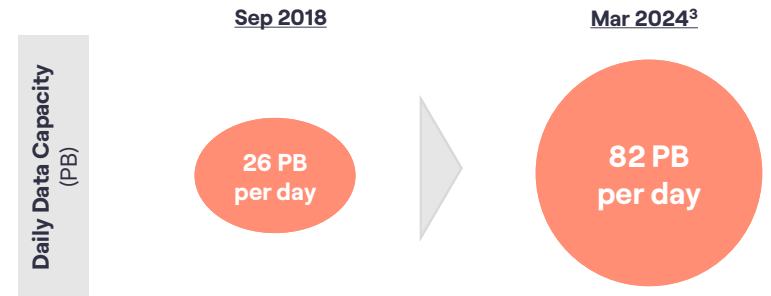
Applicable Gross revenue market share Q4FY24 (%)¹



...driving 4G coverage expansion...



...as well as continuous capacity expansion since merger



17 priority circles account for ~98% of VIL revenue (~92% of industry revenue)¹



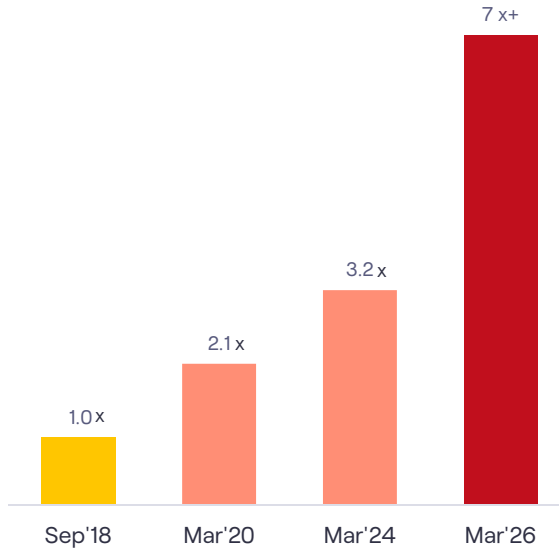
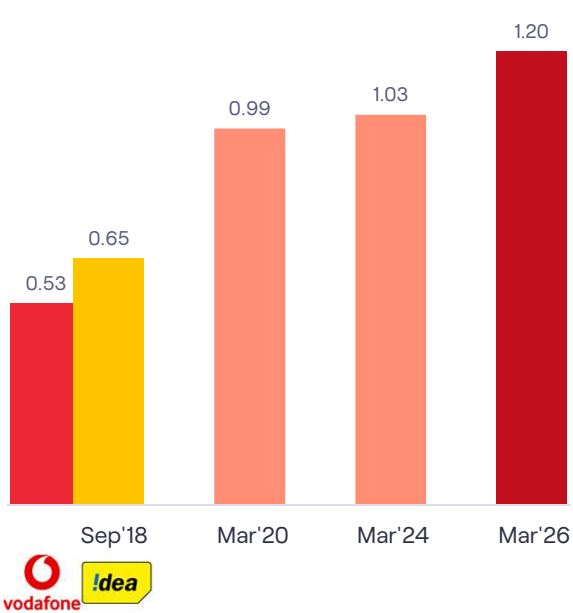
Source: 1. Based on TRAI Financial Report Quarter ended Mar 2024 2. VIL Q4FY2024 quarterly report 3. Company Information.

1 Focused investments across India – Priority towards 17 circles

Pan India 4G population coverage (bn)

Pan India network build capacity (PB/day)

Strategic Focus areas



Capex plan for Rs. 50-55k crores in next 3 years, towards

- Focus on expanding 4G population coverage in 17 priority circles to become competitive
- Offer 4G on sub-GHz 900 band in 16 circles for better coverage and experience
- For 5G, launch and expansion of services in key cities/ geographies
- Capacity expansion to address the increasing data demand

Other initiatives to improve customer experience / capacity

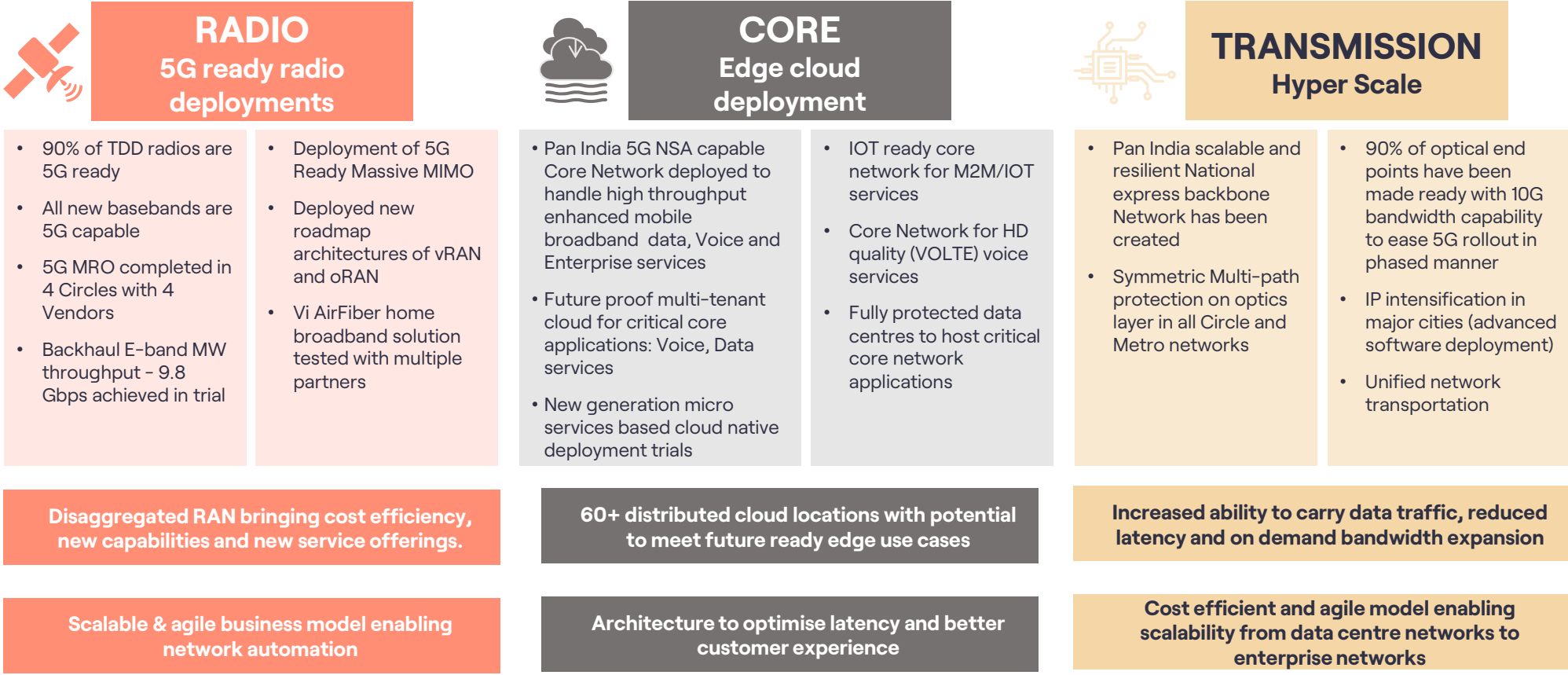
- Re-farming 900 MHz and 2100 MHz
- Small cell deployment in hot-spot locations of metros / large cities for better experience

Focused Capex to improve competitiveness in priority circles with improved 4G coverage and Rollout of 5G



Source: Company Information.

1 Existing network built on 5G-ready architecture



Late adaptation of 5G leading in embracing latest advanced technology products and cost efficiency

2 Market initiatives to drive ARPU improvement & customer acquisition

Build Consumer Preference & Trust

- Deliver the power of connectivity and deepen emotional affinity to build positive momentum and consumer connect for Vi – Be Someone's We
- Offer plan that gives customers the autonomy to select and customize benefits tailored to their unique preferences
- Create a strong position for the network in the minds of the consumer – tested by Mumbai's best human network

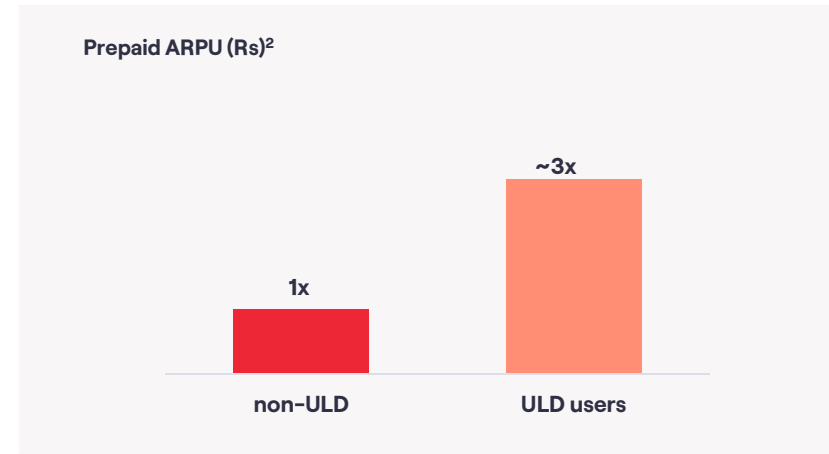
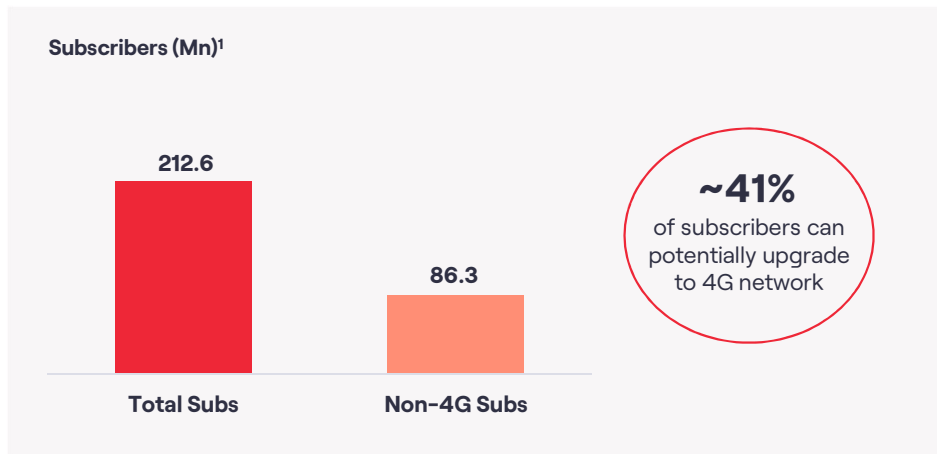


2 Market initiatives to drive ARPU improvement & customer acquisition

Initiatives to drive ARPU growth

- Focus on expanding 4G footprint in rural and semi urban growth markets.
- Enhance proportion of high ARPU subs through superior network experience in existing markets
- Building propositions in conjunction with partners to target share growth
- Focus on driving higher share of broadband devices through focused programs with OEMs and NBFC
- 2G subs presents a strong opportunity to upgrade

Upsell opportunities supported by structural growth in digitalization and data



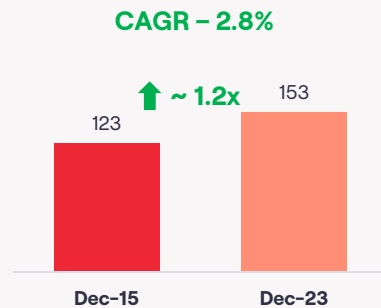
2 Market initiatives to drive ARPU improvement & customer acquisition

Market Wide Tariff Hikes

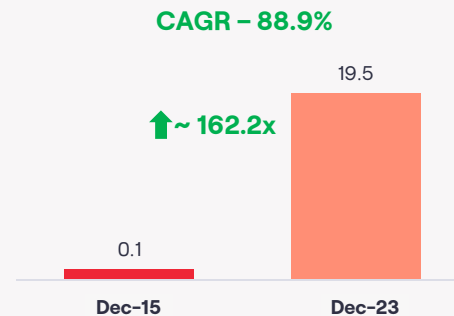
- Last tariff hike was taken in Nov 2021, tariffs in India are lower than major countries in the world. Further given inflation, prices need to catch up
- Significant headroom in ARPU as usage has increased significantly but ARPU have not increased in line with usage and customer ability to pay higher is already established
- Prices need further uptick to generate reasonable returns and support future investments

Significant runway for ARPU growth

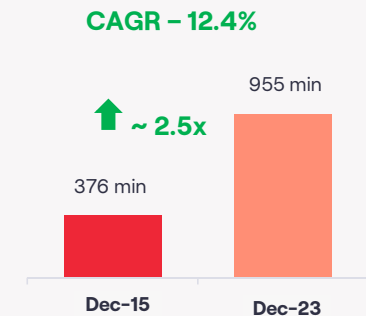
Blended mobile ARPU¹



Average wireless data per data subscriber per month (GB)¹





Voice minutes of usage per subscriber per month (min)¹



2 Supported by digitalisation of customer servicing

<p>Seamless Customer Experience through Digital channels</p>	<ul style="list-style-type: none"> • Intuitive Dynamic IVR providing upfront menu options to customers based on recent transactions and events • Digital Service Request (SR) % - More than 50% SRs for Complaint & Requests raised Digitally • Vi Priority - Dedicated Experience & Service channel for High Value Post Paid base • Multiple Digital enabled platforms introduced for Digital engagement like use of Robotic Process Automation, email Bot, Chat Bots etc to increase efficiency
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Select Tools	Use Case
 <p>1. Mobile App 2. Chat Bot 3. Messenger</p>	<ul style="list-style-type: none"> ▪ Effortless account management through Mobile App ▪ AI enabled Chat services ▪ To reach out directly through internet search & maps
 <p>Humanoid Bot</p>	<ul style="list-style-type: none"> ▪ Conversation bot for post paid collections - Improved efficiencies and collection performance, reduced customer barring, Lower service cost

CX Today Awards 2023
Best Customer Experience Team of the Year – Google My Business

Brandon Hall Excellence Awards
Best deployment of strategies, systems & tools in field of Training & Learning

Google Accolades
Global accolade from Google on Vi's VIC Chatbot

Initiatives driving new customer acquisitions, supporting upsell and better retention

2 Supported by digitalisation of distribution

Digital tools for sales and distribution

- **Digital connect** with retailers, promoters and distributors through apps like m-Power and Smart-Connect
- These apps provide **real time information on various KPI's** which help the team be on top of the business and drive efficiency at outlet level
- Built in attendance and market working **tracking mechanism** helps in monitoring performance

Select Tools



m-Power app



Smart Connect app

Use Case

- Trend Analysis and drill down available at each Sales Entity for all key business KPI's
- Real time information to aid the selling process

- Retailer engagement program – Vi Game of Boundaries – cricket gamification of retailer performance
- Winners of the 12th Aegis Graham Bell Award for Digitalization of Prepaid Recharge Distribution

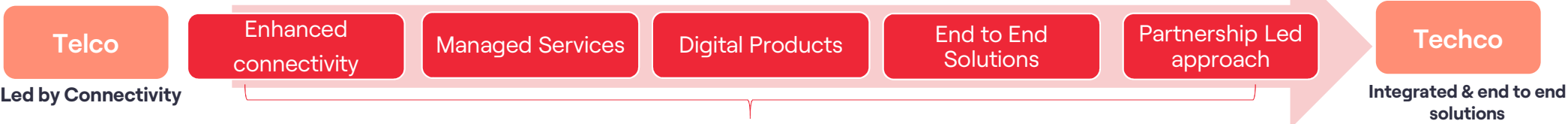
Digital Customer Acquisition

- Free of cost door step delivery and digital KYC currently available in 100+ cities for both prepaid and postpaid customers
- Customers can choose number of their choice, track orders, reschedule their appointment or modify their orders providing a true ecommerce type experience
- A unique referral program launched for Retailers under the banner “Every Outlet Activating Outlet”

Initiatives driving new customer acquisitions, supporting upsell and better retention

3 Focus on business services through Telco to Techco Transformation

Be the trusted and valued partner to Enterprises powering their businesses in a digital economy



1 Protect and grow connectivity

- **Grow Vi Business Plus Mobility** with advanced solutions like GWS, location tracking and end to end **managed mobility services**
- Business Communication solutions – **CPaaS, Managed SIP, CCaaS**
- **Hybrid SD-WAN** for future ready managed connectivity
- **Private Networks** for Industry 4.0

2 Accelerate IoT

- **Strengthen market leadership** by offering unmatched customer experience in IOT
- **Industry first Digital platforms** managing experience lifecycle with Device Mgmt capabilities.
- **Category development** enabled by **IoT R&D Lab & Consulting** practice.

3 Invest in Next Gen. Services

- **Create relevant Cloud platform & services portfolio** with Colocation, Hosting, IaaS & SaaS solutions to help Enterprises accelerate digital transformation
- **Edge Cloud** Propositions for Enterprises and Industry 4.0
- **Vi Secure** – business security solutions across Network to Device

4 Drive Segmented GTM

- **Gain wallet share in Hyperscalers /Large customers**
- Grow SME/SoHO & enable digital adoption by leveraging **ReadyForNext Digital Assessment** platform

3 Industry Recognitions for Vi Business

CIO Choice Awards 2024

- ❖ Telecom Carrier (Mobile Access)
- ❖ Telecom Carrier (International Access)
- ❖ Rich Business Messaging
- ❖ IoT
- ❖ Cloud Telephony
- ❖ SD-WAN Services
- ❖ Digital Transformation Enabler (ReadyForNext assessment for MSMEs)

Asian Telecom Awards 2024

- ❖ IoT Initiative of the Year (India)

Frost & Sullivan ICT Awards 2023

- ❖ SIP Trunk Technology Innovation Leadership Award
- ❖ Smart Mobility solutions Enabling Technology Leadership Award

Voice & Data Telecom Leadership Awards 2023

- ❖ Customer Experience Category (Customer Service)
- ❖ Vi Business Hub (Enterprise Business Services)

e4M Indian Marketing Awards 2023

- ❖ Gold in B2B sector for ReadyForNext initiative

ET BrandEquity DG+ Awards 2023

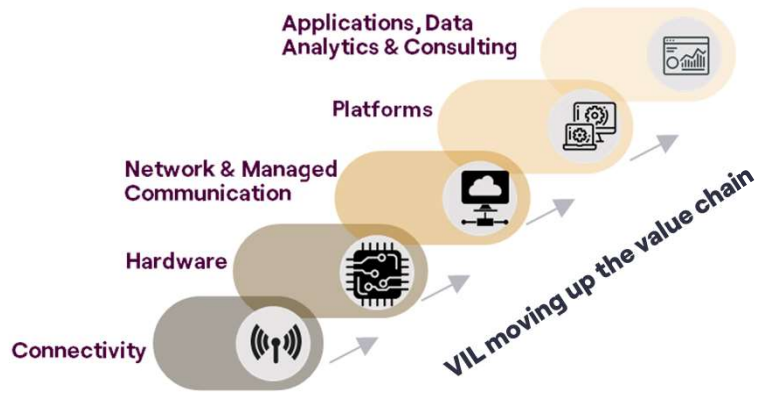
- ❖ Bronze in "Digital Campaign in B2B category for ReadyForNext initiative"

Award Winning offerings show our focus

3 Accelerating IoT with end-to-end solutions

Scaling up the value chain

IoT Constituents

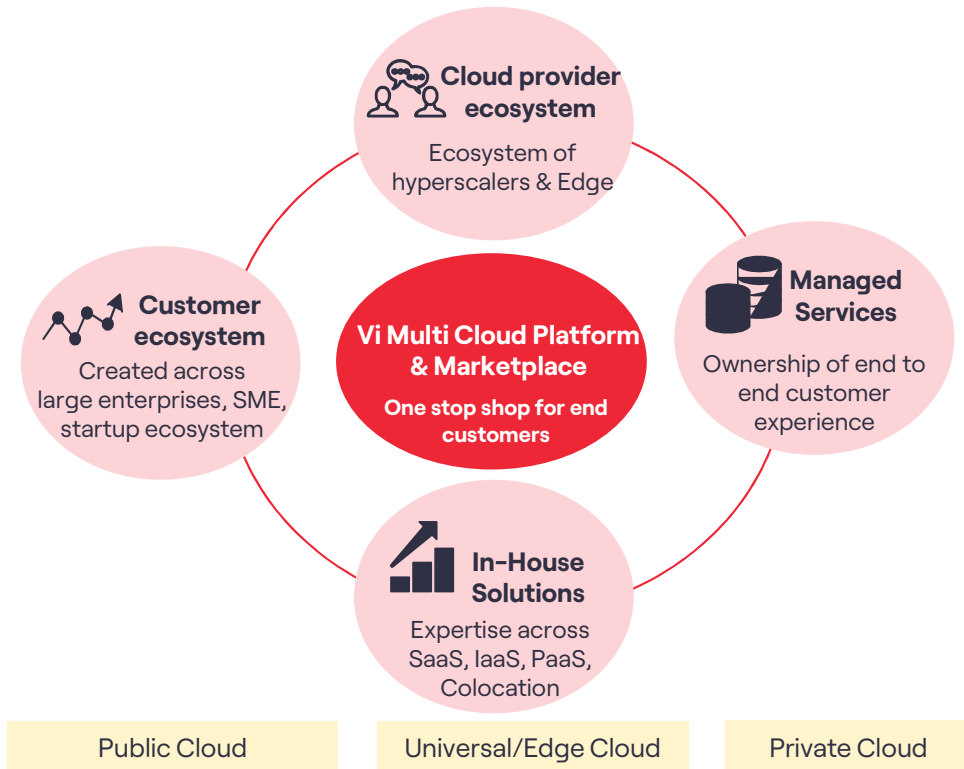


1. **First telco** to have end-to-end Integrated IoT offering, comprising of connectivity, hardware, network, application, analytics, security and support
2. **Strong position** in IoT automotive opportunity
3. **Strong position** in Vehicle tracking systems, Energy, Utilities, among others
4. **First of a kind IoT lab-as-a-service** for device testing, standardization and certification
5. **Expanding footprint in diverse use cases** like- Battery monitoring, sandbox, transport management, solar and water management, Smart street lighting & more
6. **India's first eSIM** which is GSMA SAS-SM, DOT, ARAI, AIS140 compliant; widest IoT connectivity portfolio with GSMA certified e-UICC SIM

IoT market to expand, VIL well positioned to gain competitive share

3 Preferred provider of end to end cloud services

Integrated multi cloud platform enabling public, private and edge cloud services



Key Strategic Focus Areas in Cloud services



Scale through **Strategic collaborations**

- Strategic collaborations with hyperscalers/ Colocation providers
- Deeper alliance & engagement to Co-create differentiated offerings



Develop **Infrastructure**

- Develop platform for seamless cloud delivery & experience
- Build Edge locations & partner ecosystem to build industry specific use cases

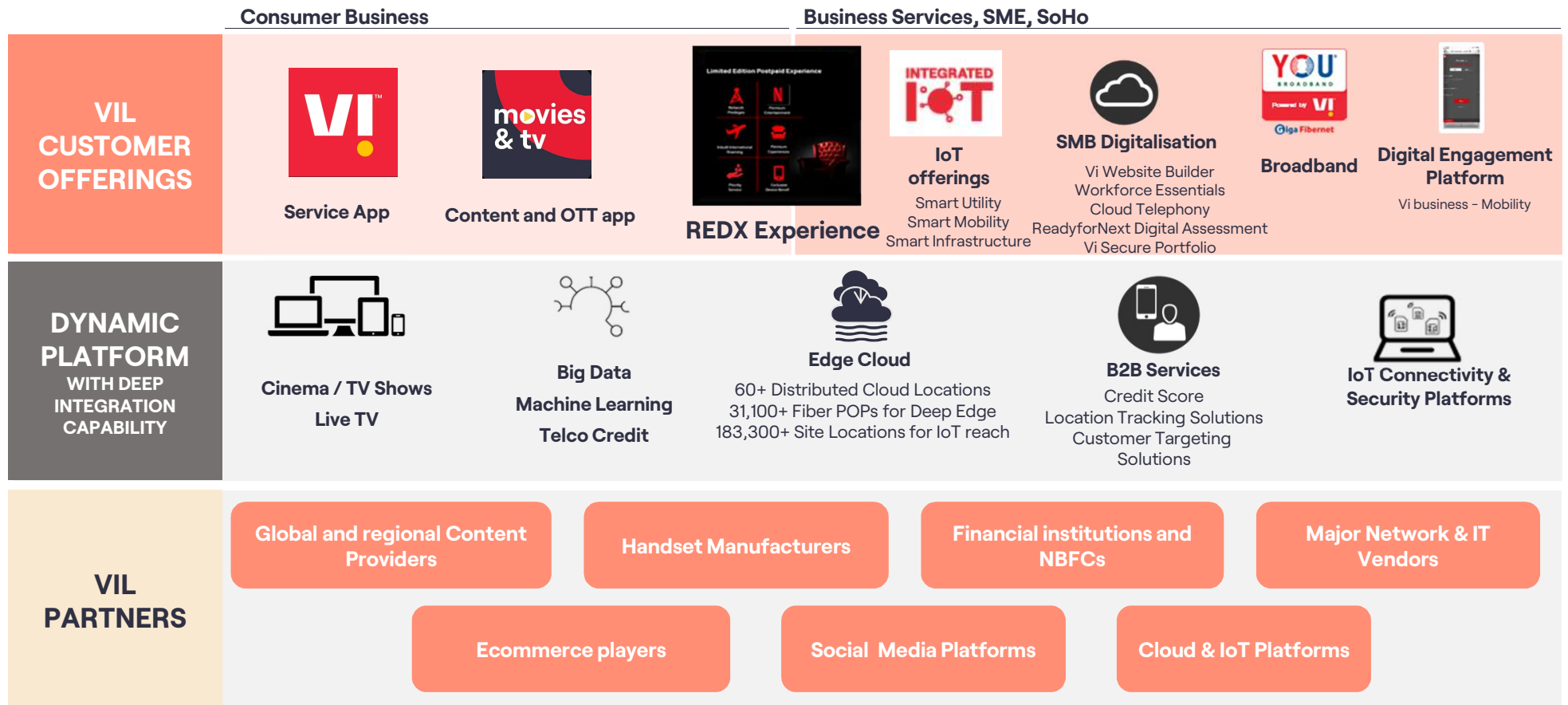


Invest in **Skills and Knowledge**

- Invest to build robust Managed services capability & framework
- An efficient "born in cloud" sales/pre-sales
- An operations support structure

VIL's position as preferred choice creates significant opportunities for new revenue streams

4 Vodafone Idea's digital propositions & integrated platform



4 Vi is creating a Digital ecosystem

Several collaboration projects to expand digital footprint – Vi app to be the go-to destination for movies, music, games, deals & rewards, news, jobs, learnings & more

Movies & TV

Drive affinity amongst youth & win share

- Vi Movies & TV is our OTT app, which we relaunched in Mar'24 as a paid subscription service offering multiple OTTs & TV channels under a single plan, specifically targeting Smart TV households
- Vi Movies & TV app is available for both android & IOS on mobile and for Android TV, Taizen (Samsung) & Firestick on TV.
- It currently has over 14 OTT partners & offers access to over 400+ TV channels

Gaming, eSports & CloudPlay

Drive deeper digital engagement

- Gaming is a high potential market, which is expected to grow exponentially
- Under VI Games, Vi offers casual gaming proposition for consumers with multi-player features
- Vi Games also offers an e-sports platform in strategic collaboration with e-sports start-ups
- Introduced mobile cloud gaming service called Cloud Play, in partnership with CareGame

Digital Advertising

Ad-tech platform to monetize telco assets

- Leveraging telco data and digital assets to drive monetization, Vi has developed an end-to-end integrated ad-tech platform with self-serve capabilities
- Launched 'Vi Ads' and are empaneled with almost all the top media agencies and are part of the media plan for some of the big brands

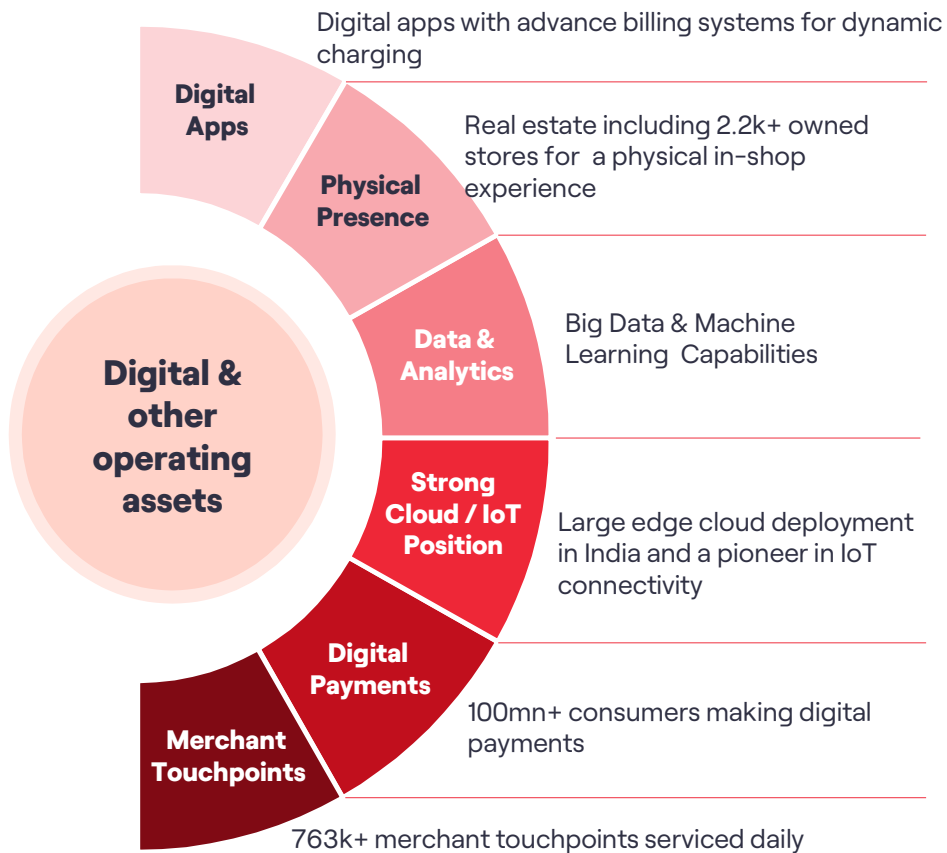
Digital Marketplace

Monetize Digital traffic

- Integrated 'utility bill payment' functionality on Vi app enabling our users to pay their electricity bills, water bills, LPG bills, insurance premium, loan EMIs, recharge FASTAG or their DTH or broadband subscriptions
- Launched 'shop' section on Vi App in partnership with leading players across categories like entertainment, food, shopping and travel

Digital collaborations to drive brand differentiation, engagement & monetization

4 Monetization through Digital initiatives & collaboration opportunities



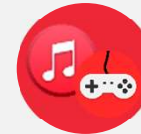
OFFERINGS

OPPORTUNITY



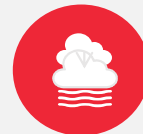
INTEGRATED IOT SOLUTIONS

- VIL has taken some initiatives and few are in pipeline, primarily through partnerships, to participate in these growth opportunities



PARTNERSHIPS IN CONTENT, GAMES, etc.

- Possibility of substantial growth



END TO END CLOUD SOLUTIONS

- Several use cases across logistics, health, education, fintech among others



POTENTIAL OPPORTUNITIES VIA DEEP INTEGRATION

- Possibility of substantial growth

Monetization opportunity on the back of digital offerings

Q4FY24 Update



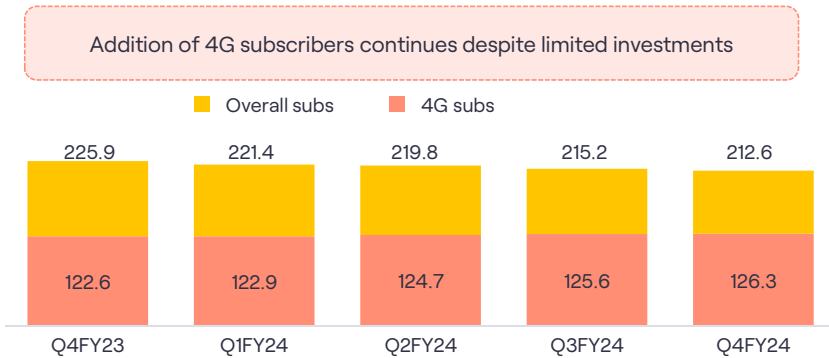
Financial & Operating KPIs – Many KPIs Showing Improving Trends

Financials & Operating KPIs	FY23		FY24		
	Q4	Q1	Q2	Q3	Q4
ARPU (Rs)	135	139	142	145	146
Subscriber (Mn)					
EOP	225.9	221.4	219.8	215.2	212.6
Net Adds	(2.8)	(4.5)	(1.6)	(4.5)	(2.6)
4G Subs	122.6	122.9	124.7	125.6	126.3
Market Share (%)					
VIL CMS - EOP	20.7%	20.1%	19.8%	19.3%	18.9%
VIL RMS - ApGR	18.2%	18.6%	18.2%	17.8%	17.3%
Data Usage (Pb/Day)	60.0	61.4	61.9	60.8	61.9
Financial (Rs Bn)					
Revenue	105.3	106.6	107.2	106.7	106.1
EBITDA (pre IndAS 116)	20.7	20.2	20.6	21.4	21.8
EBITDA (Reported)	42.1	41.6	42.8	43.5	43.4
Debt (Rs Bn)					
Gross Debt	2,016	2,052	2,034	2,034	2,076
-Govt. of India Dues	1,889	1,944	1,940	1,958	2,034
-Banks & Financial Inst. incl OCD	127	108	94	76	42

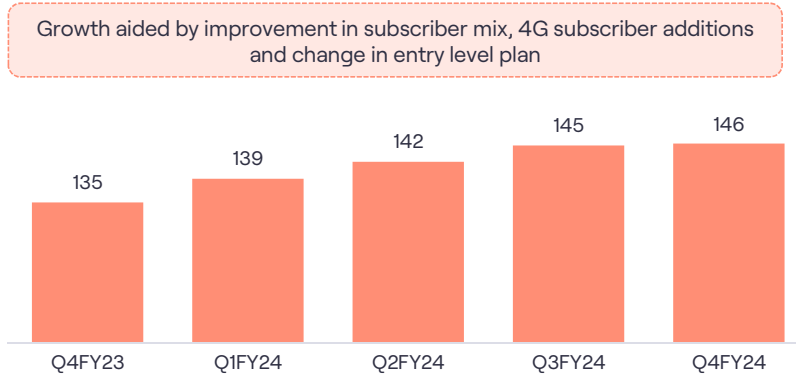
- ARPU improvement for 11 consecutive quarters driven by Price increase and customer upgrades, which in turn has supported revenue growth despite subscriber churn
- ARPU growth in line with other operator benefiting from subscriber upgrades
- 4G subscriber base continues to grow for 11 consecutive quarters
- Gross adds share for VIL is higher than its Customer Market Share (CMS) indicating its ability to effectively compete in market
- Annual revenue and EBITDA (pre-IndAS) growth for the second consecutive year on the back of consistently improving performance for last several quarters despite significantly lower investments; a clear reflection of our execution capabilities
- Q4FY24 EBITDA (pre-Ind AS 116) is the highest EBITDA post-merger
- Debt from banks and financial institutions has reduced by Rs. 137 bn over the last 2 years
- American Tower Corp (ATC), one of VIL's vendors, converted dues of Rs. 16 bn into OCDs in Q4FY23 and converted the OCDs worth Rs. 14.4 bn into equity share in Q4FY24

Key Operating and Financial Trends

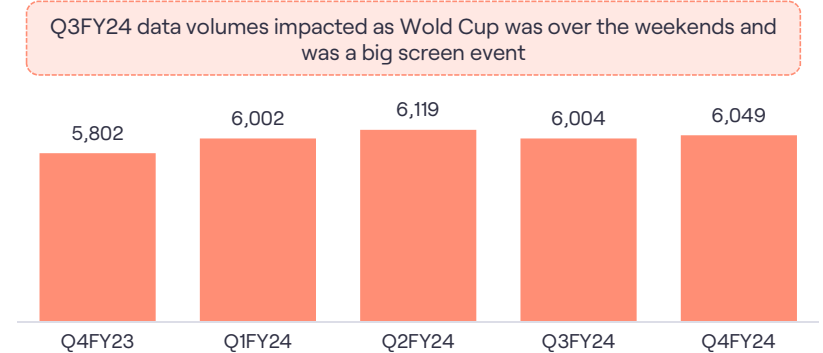
Consistent Growth in 4G Subscribers (Million)



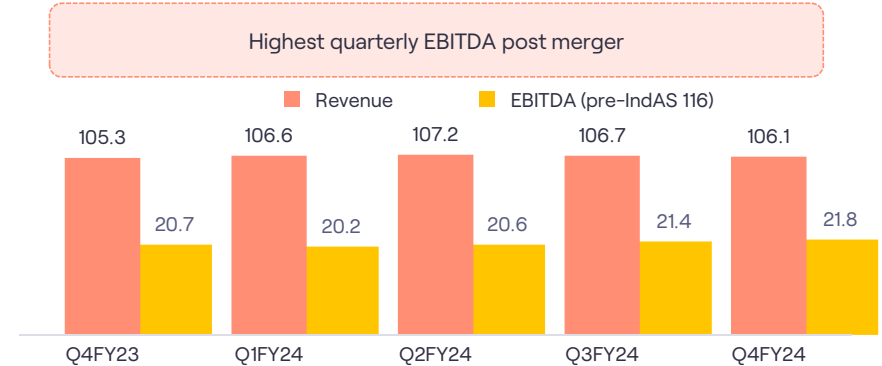
Improving ARPU (Rs)



Data Volume (Billion MB)



Improving Revenue & EBITDA (Rs Bn)



Glossary

Term	Description
MHz	Mega Hertz
OFC	Optical Fibre Cable
IRU	Indefeasible Right to Use
ARPU	Average Revenue Per User Per Month
NPV	Net Present Value
AGR	Adjusted Gross Revenue
GDP	Gross Domestic Product
MIMO	Multiple-Input Multiple-Output
DSR	Dynamic Spectrum Sharing
RAN	Radio Access Network
SME	Small & Medium Enterprises
SOHO	Small office-Home office
IOT	Internet of Things
MRO	Minimum Roll-out Obligation
SIP	Session Initiation Protocol
SD-WAN	Software-defined Wide Area Network
IaaS	Infrastructure as a Service
SaaS	Software as a Service
PaaS	Platform as a Service
ULD	Unlimited Data Plans
B2B	Business-to-business
OTT	Over the top

Term	Description
TDD	Time Division Duplex
MW	Microwave
oRAN	Open Radio Access Network
vRAN	Virtual Radio Access Network
NSA	Non-Standalone
M2M	Machine to Machine
VOLTE	Voice over LTE / Voice over Long Term Evolution
NBFC	Non Banking Financial Corporation
KPI	Key Performance Indicators
CPaaS	Communications Platform-as-a-Service
CCaaS	Contact Center as a Service
R&D	Research and Development
EBITDA	Earnings Before Interest, Tax, Depreciation & Amortization
2G	Second generation mobile telecommunication technology
3G	Third generation mobile telecommunication technology
4G	Fourth generation mobile telecommunication technology
5G	Fifth generation mobile telecommunication technology
GHz	Giga Hertz
TRAI	Telecom Regulatory Authority of India, constituted under the Telecom Regulatory Authority of India Act, 1997
KYC	Know Your Customer
POP	Point of presence

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