

24 June 2023

**National Stock Exchange of India Limited** "Exchange Plaza", Bandra - Kurla Complex,

Dear Sirs.

**Sub: Investor Presentation** 

Ref: "Vodafone Idea Limited" (IDEA / 532822)

Dalal Street, Bandra (E), Mumbai - 400 001 Mumbai - 400 051

**BSE Limited** 

Phiroze Jeejeebhoy Towers,

Pursuant to Regulation 30 and 46 of the Securities and Exchange Board of India (Listing Obligations and Disclosure Requirements) Regulations, 2015, please find enclosed the corporate presentation being uploaded on the Company's website.

The above is for your information and dissemination to the members.

Thanking you,

Yours truly,

For Vodafone Idea Limited

Pankaj Kapdeo **Company Secretary** 

Encl: As above



Vodafone Idea Limited (formerly Idea Cellular Limited)

An Aditya Birla Group & Vodafone partnership



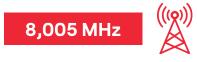
## Vodafone Idea Limited



# **Company Overview**



### **VIL: An Overview**









**Spectrum holding** 

**Unique Locations** 

**Broadband sites** 

**Fibre** 









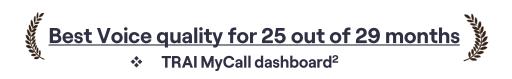












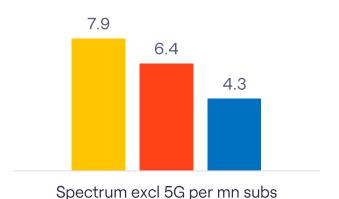
With our strong assets, digital focus and 5G ready architecture, we are well positioned to compete

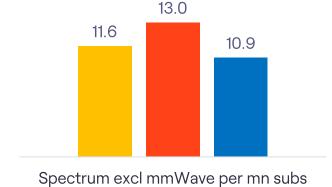


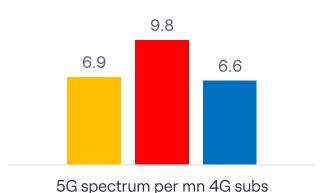
## **Competitive Spectrum Portfolio**

Spectrum Holding per mn subs - unpaired basis (MHz)

**■ Vodafone Idea ■ Bharti Airtel ■ Jio** 







All spectrum which can be utilised towards 4G\*

VIL	Airtel	Jio
1,775.2	2,148.0	1,892.0
225.9	335.4	439.3

All spectrum except
26 GHz#

VIL	Airtel	Jio
2,625.2	4,348.0	4,772.0
225.9	335.4	439.3

700MHz and 3300 MHz to offer 5G services^

VIL	Airtel	Jio
850.0	2,200.0	2,880.0
122.6	224.1	439.3

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

Spectrum (MHz)1

Subscribers (Mn)<sup>2</sup>



<sup>\*</sup>excludes non-liberalised spectrum as well as 700 MHz, 3300 MHz and 26GHz spectrum

<sup>#</sup> excludes non-liberalised spectrum and 26GHz given the use cases are still developing

<sup>^</sup> calculated on the basis of 4G subs for respective operator

## Strong Brand, Extensive Reach and Array of Digital Assets

## One of the most trusted Indian brands

# Together For Tomorrow

- Over 2 decades of operations backed by strong brand recall and management with global expertise
- Strong unified brand brings together the power of two networks – Vodafone and Idea into one
- Trusted by ~226 million Indians
- Large Enterprise customer base with long standing relationships

#### **Extensive reach**



- Ability to communicate effectively with ~226 million users
- +90% district coverage, serving customer across ~865k retailers and ~2.5k branded urban stores
- Strong data and analytics enabling hyper personalization at large scale

#### **Digital Assets**



- 24x7 connectivity with Distributors and Retailors; real time market information
- Customer servicing and acquisition
- Competitive content offering through partnerships with several global & regional content providers
- Vi app in the process of creating a Digital Ecosystem through collaboration with several partners



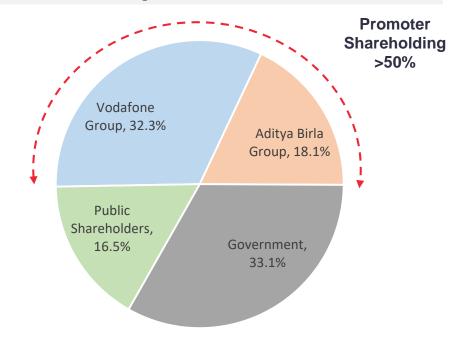
## **Strong Promoters and Support from GOI**

- Vi has strong parentage with the promoters Aditya Birla Group and Vodafone Group
- Post the conversion of debt representing NPV of interest arising from deferment of AGR and Spectrum instalments into equity, Government of India owns 33.1%¹ stake in addition to being the policy maker and debt provider
- Both Vodafone and the Aditya Birla Group have invested significant capital in the business (~ Rs. 1,680 bn [~\$20.5 bn] since start of operations)
  - VIL raised Rs. 250 bn (~\$3.0 bn) in May 2019 through a rights issue, including Rs. 180 bn (~\$2.2 bn) contributed by the promoters
  - Promoters invested a further ~Rs. 50 bn (~\$610 mn) in 2022

# ADITYA BIRLA GROUP

- Global conglomerate with a rich legacy of 70+ years and operations across 36 countries
- Dominant presence in various sectors including metals, pulp and fibre, chemicals, textiles, carbon black, telecom, cement, financial services, fashion retail and renewable energy

#### Shareholding Post Government Conversion<sup>1</sup>





- Leading British multinational technology communications company in Europe and Africa
- Largest mobile and fixed network operator in Europe
- Europe's biggest and fastestgrowing 5G network

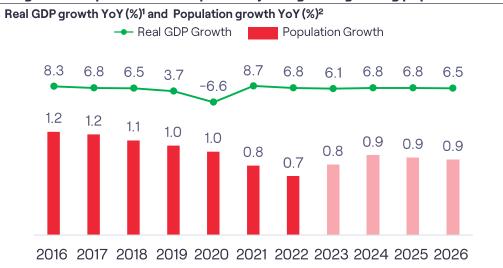


# Growth Opportunities

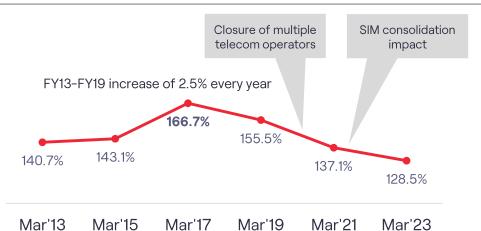


## Enormous growth potential in the Indian telecom sector (1/2)

#### Huge market potential underpinned by a large and growing population

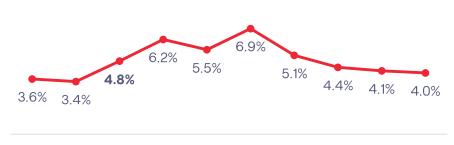


#### Urban Teledensity<sup>3</sup> to remain high



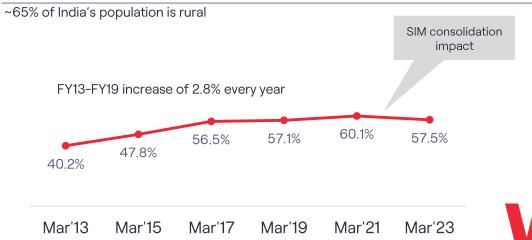
#### Stable and easing inflationary environment

Average Consumer price index (%) 1



2017 2018 2019 2020 2021 2022 2023 2024E2025E2026E

#### Untapped rural population with low teledensity<sup>3</sup>





## Enormous growth potential in the Indian telecom sector (2/2)

Mobile broadband is the primary medium to access the internet in India...

Broadband Subscribers<sup>1</sup> (mn) (Mar'23)

...and is well placed to continue its strong growth trajectory...

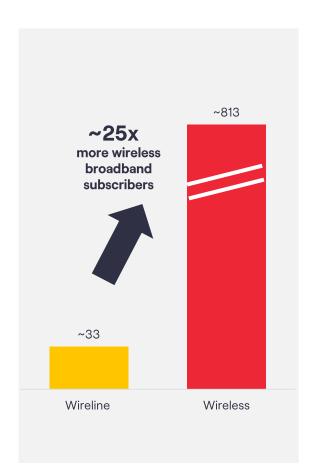
4G wireless penetration and smartphone adoption<sup>2</sup> in India (% of population) (Sep end)

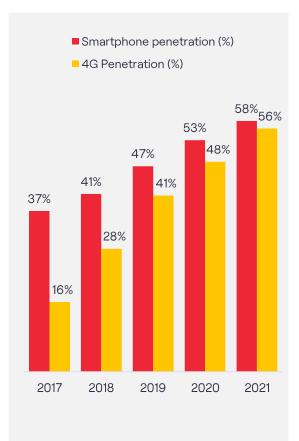
...given a large proportion of 2G/3G subscribers to still migrate to 4G...

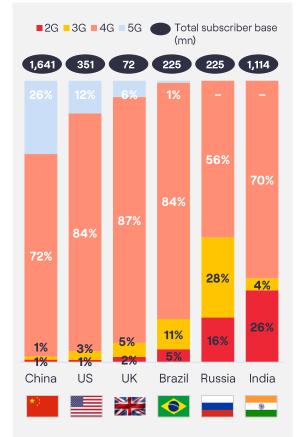
Penetration by access technology<sup>2</sup> (% of subscribers) (Sep 2021)

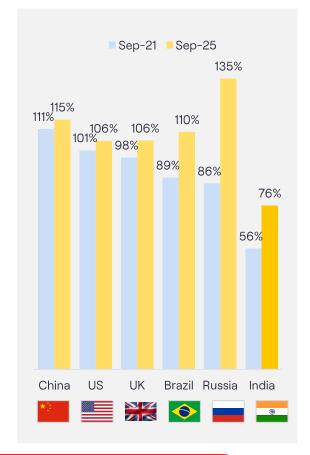


4G/5G wireless penetration<sup>2</sup> (% of population)









VIL is among the top 10 cellular operators globally (by subscribers in single country of operations) and is 3<sup>rd</sup> largest in India - the 2<sup>nd</sup> largest wireless market in the world



## Digital Revolution in India offers unlimited growth opportunities

#### Key trends and enablers

#### **Key Trends**

#### **Digital India vision**

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

## Govt Push for India's Digital Revolution:

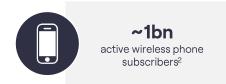
- Open Network for Digital Commerce
- Drive to provide quality internet
- Reforms in Digital Payments
- Push towards Data Centres

#### **Explosion of data usage**

- Led by one of the world's lowest data tariffs
- COVID-19 has been a catalyst in rapidly accelerating India's digital economy
- Data usage per sub increased by 17x since Mar 2017 and now is at ~17GB per sub<sup>5</sup>

#### **Key Enablers / Opportunities**

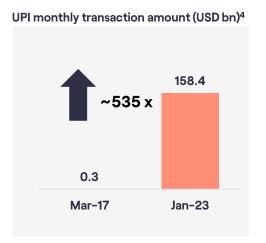


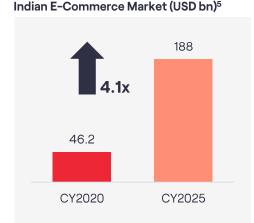






#### Rapid digitalization of Indian market on the back of increasing smartphone usage





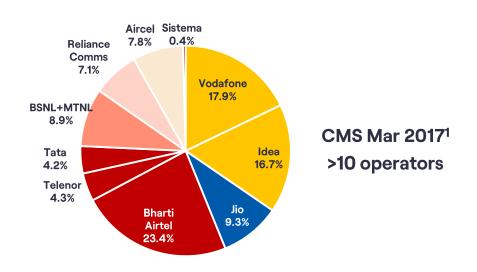
#### Total smartphone subscribers (mn)<sup>6</sup>

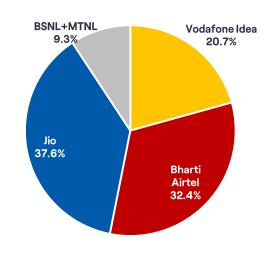




## Optimal market structure providing clear runway for market repair

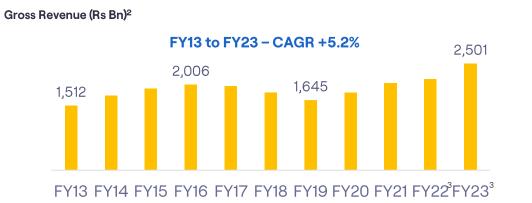
#### Optimal structure that encourages healthy competition

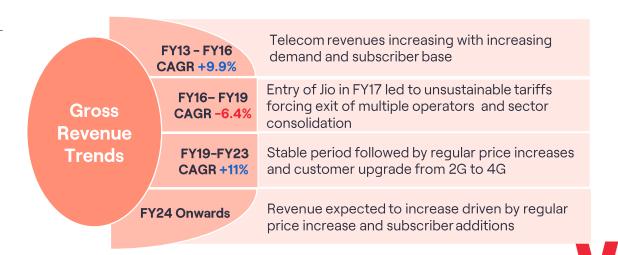




CMS Mar 2023<sup>1</sup>
3 private operators + 1
government operator

#### Significant growth potential for Telecom Revenue





## **VIL Strategy**



## **Vodafone Idea Strategy**

Focused network investments for superior customer experience



- 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

Market initiatives to drive ARPU improvement



- Build consumer preference for the new Brand & 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 higher share of 4G/5G devices on network through partnerships

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

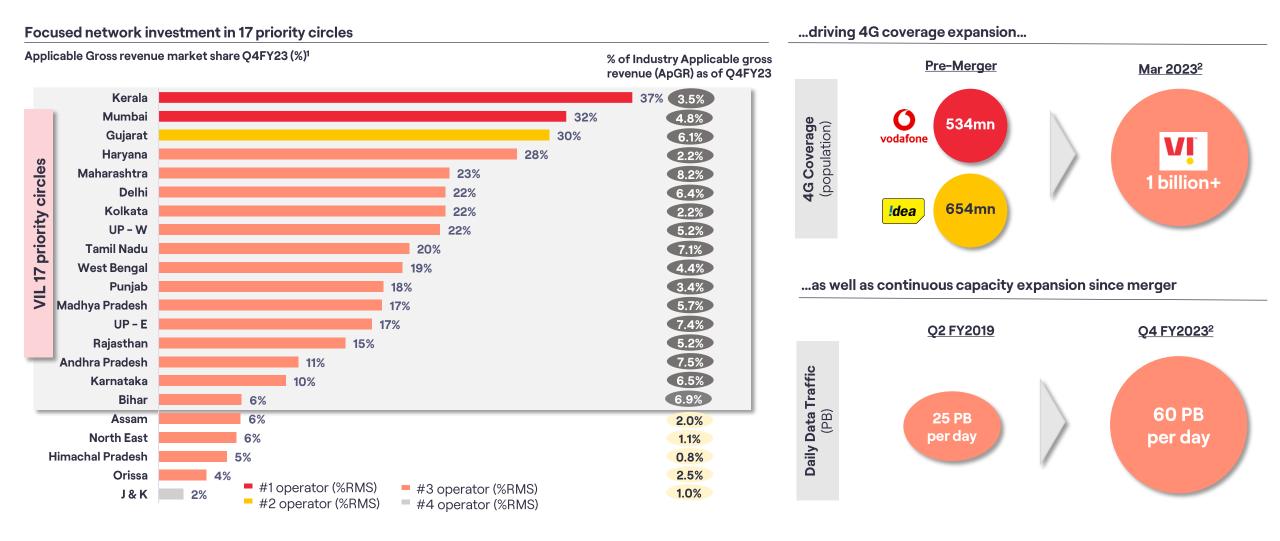
Driving partnerships and digital revenue streams



- 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

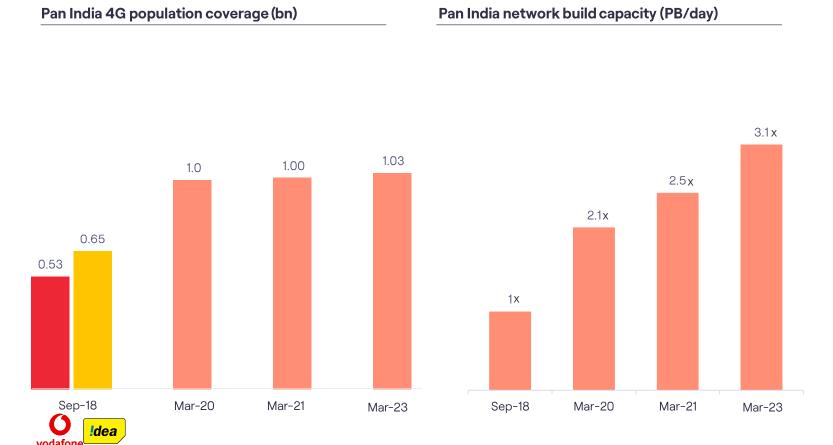


## 1 Focused investments to drive coverage & capacity expansion





## 1 Focused investments in 17 priority circles



#### Focus areas

- Focus on improving 4G population coverage and capacity in 17 priority circles
- Re-farming 900 MHz towards 4G leading to better consumer experience
- Re-farming 2100 MHz towards 4G with phased 3G shutdown
- Small cell deployment in hot-spot locations of metros / large cities for better experience
- Creating 5G ready architecture to support the 5G rollout

## 1 Existing award winning network built on 5G-ready architecture



#### **RADIO**

#### 5G ready radio deployments

- 90% of TDD radios are 5G ready
- All new basebands are 5G capable
- 5G trials in Pune & Gandhinagar - 1.5 Gbps in C-Band & 4.2 Gbps speeds on mmwave
- Backhaul E-band MW throughput - 9.8 Gbps

- India's largest 4G deployment of Massive MIMO
- Dynamic spectrum refarming to 4G/5G
- 900 and 2100 MHz spectrum refarm to 4G
- Open RAN trial deployments

Disaggregated RAN bringing cost efficiency & new capabilities

Scalable & agile business model enabling network automation



#### CORE

#### Edge cloud deployment

- Multi-tenant shared cloud: Voice, Data, Business Services, IT applications in one common shared cloud
- Cloud native deployments

- Platform to Edge (Video analytics at Edge, Al based analytics, Industrial IOT & slices)
- Lean Operating model (Lean CS Core, 50G lean edge core, Orchestration & Automation)

60+ distributed cloud locations with potential to scale up to ~150

Architecture to optimise latency and better customer experience



#### **TRANSMISSION Hyper Scale**

- Hyperscale architecture in transport
- Transmission embedded with advanced intelligence
- · White Box Routers -Disaggregation of H/W & S/W driving cost efficiencies
- IP intensification in major cities (advanced software deployment)
- Robust system with flexibly memory, networking and storage capabilities
- Unified network transportation

Increased ability to carry data traffic, reduced latency and on demand bandwidth expansion

Cost efficient and agile model enabling scalability from data centre networks to enterprise networks

CII Industrial Innovations Awards 2021

❖ For Innovative digital solutions in 5 categories



DSCI Excellence Awards 2021
For best security operations in 2 categories



## 2 Initiatives to drive ARPU improvement & customer acquisition

## **Build Consumer Preference & Trust**

- Build consumer confidence around the integrated network that delivers a superior experience backed by strong claims – India's Fastest 4G network
- Drive aggressive Communication to dial up a suite of propositions to help drive differentiation and consideration for Vi
- Create a strong position for the brand in the minds of the consumer - Vi helps me thrive

## **Drive a Strong ARPU Agenda**

- 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
- Strong segment focus on 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

## Market Wide Tariff Hikes

- Despite tariff hikes announced in Nov 2021, Indian ARPU remains amongst the lowest in the world while having amongst the highest data usage per sub
- Significant headroom relative to historic ARPU as customer ability to pay higher is already established
- Prices still need further uptick to generate reasonable returns and support future investments

#### Brand initiatives - Active communication to improve customer perception





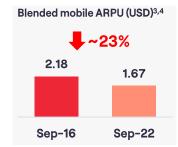


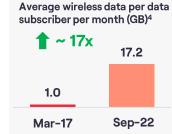
#### Upsell initiatives supported by structural growth in digitalization and data

~46% of subscribers can potentially upgrade to 4G network<sup>1</sup>



#### Significant runway for ARPU growth









## 2 Supported by digitalisation of customer servicing & distribution

Digital
Initiatives
for
Customer
Retention
and Upsell

#### Digitally enabled customer service

- Intuitive Dynamic IVR resulting in industry best resolution of queries
- **Humanoid Bot** Industry first deployment of Conversation Bot
- Transition to Digital enabled platforms, providing multiple options for customers to engage with VIL. Use of latest technology like Robotic Process Automation, email Bot etc to increase efficiency
- **Enabling Customer retention** with instant connect at the time of potential disengagement.

Select Tools	Use Case						
Mobile App WhatsApp Bot	<ul> <li>Mobile App for on-the-go for effortless account management</li> <li>Real time retention offers and proactive engagement to improve customer loyalty</li> </ul>						
Humanoid Bot	Conversation Bot for post paid collections – Resulted in increased collection performance, reduced customer barring, and lower service cost						

#### Digital tools for sales and distribution

- **Digital connect** with retailers, promotors and distributors through apps like m-Power and Smart-Connect which sport some Industry 1<sup>st</sup> features
- 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

Game of Boundaries

## Select Tools Use Case Trend Analysis and drill down available at each Sales Entity for all key business KPI's



**Smart Connect** 

- Real time information to aid the selling process
   Industry First Retailer engagement program Vi
- Winners of the 12<sup>th</sup> 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

#### **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

#### LearnX Award 2022

Best Learning & Talent Technology Innovation

#### Google Accolades

Global accolade from Google on Vi's VIC Chatbot



## Focus on business services through Telco to Techco Transformation

Telco

Enhanced connectivity

Managed Services

Digital Products

End to End Solutions Partnership Led approach

Techco

Integrated & end to end solutions

**Led by Connectivity** 

#### **ENABLING OUR KEY GROWTH PILLARS**

Protect and grow connectivity

- Vi Business Plus Mobility with advanced solutions like Google Workspace, location tracking, mobile security
- End to end managed Mobility services
- Digital experiences viz., Vi Business Mobility, Vi Business Wireline & Vi app
- Vi Secure business security solutions
- Industry first Managed SIP offering
- Hybrid SD-WAN & Private Networks for future ready networks

Grow SoHo / SME

- Driving/ enabling digital adoption in SMEs & SoHos
- Digital offerings such as Cloud Telephony solution, Vi Website Builder & other SaaS solutions
- ReadyForNext Digital Assessment for gauging digital maturity of MSMEs
- Enabling Channel Partners with Digital skilling & hyper-local marketing

Accelerate IoT

- Strengthen market leadership in IoT Connectivity across vehicle tracking, utilities. Point of sales and automotive
- Industry first Integrated IoT solutions across Smart mobility, Smart Infra and
- Smart Utility.
- Grow category by ecosystem orchestration, R&D around new use cases enabled by IoT Lab & IoT Consultation

Cloud Central to the theme

- Create a multi-cloud Marketplace, through own assets & strategic partnerships
- Colocation & laaS proposition to help customers accelerate digital transformation
- Deliver CX excellence through managed services

#### CIO Choice Awards 2023

- Telecom Carrier (Mobile Access)
- Cloud Telephony
- Telecom Carrier (International Access)
- Managed Mobility
- ❖ SIP Trunk

#### Asian Telecom Awards 2023

A2P SMS Monetization of the Year (India)

Voice & Data Telecom Leadership Awards 2022

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

#### Frost & Sullivan ICT Awards 2022

- SIP Trunk Technology Innovation Leadership Award
- IoT Connectivity Service Provider Company of Year Award

#### ICMG Awards 2021

Enterprise Digital Platform (Vi Business Mobility)

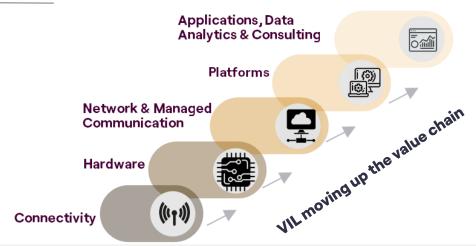


Strategic focus of being the trusted and valued partner powering businesses in a digital economy

## Accelerating IoT with end-to-end solutions

#### Opportunity to expand VIL's presence in enterprise IoT

**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, leveraging Vodafone Group IoT expertise
- 3. Strong position in Vehicle tracking systems, Energy, Utilities, among others
- **4. Only telco with IoT lab-as-a-service** for device testing, standardization and certification
- **5. Expanding footprint in diverse use cases** like-Battery monitoring, soundbox, 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

#### **Global Practices**

from Vodafone Group **Deep Experience**Technology delivery professionals

**Diverse Learning** due to maximum deployed loT use cases

Millions of diverse IoT end-points VIL's Integrated IoT solutions – end to end solutions to capture future growth



#### **End-to-end IoT Solution**

- **1. IoT Consulting**, including concept design & architecture
- 2. IoT Implementation
  - IoT Gateway & Devices
  - IoT Managed Connectivity
  - IoT Platform
  - IoT Application
  - IoT Analytics
- 3. Dedicated IoT service and support

#### **Best Practices**

- IoT Consultation
- Agile Partner place Model
- Connectivity management platform
- GSMA Certified eUICC & UICC eSIMs

## Launchpad for Innovations & Startups

- IoT Lab
- Help Scale nationwide
- Integrated offering beyond
- connectivity

Leveraging Vodafone Group's leadership position in IoT

Vodafone is recognised as global leader in IoT Connectivity for 2022 in Gartner Magic Quadrant

Clear leadership in IoT space connecting ~140 million IoT devices globally



## 2 Partner of choice in provision of end to end cloud services

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

#### Cloud provider ecosystem Ecosystem of hyperscalers & Edge Managed Customer Services Vi Multi Cloud Platform ecosystem Ownership of end to & Marketplace Created across end customer large enterprises, SME, One stop shop for end experience startup ecosystem customers Solutions Expertise across SaaS, laaS, PaaS Colocation Universal/Edge Cloud Private Cloud **Public Cloud**

**Key Strategic Focus Areas in Cloud services** 



Scale through **Partnerships** 

- Partnerships with hyperscalers/ Colocation providers
- Deeper alliance & engagement to Cocreate differentiated offerings



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



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



## Vodafone Idea's digital propositions & integrated platform

#### **Consumer Business**

#### **Business Services, SME, SoHo**

VIL **CUSTOMER OFFERINGS** 















**Service App** 

**Content and OTT app** 

Strong IoT offering

Smart Utility **Smart Mobility** Smart Infrastructure

**SMB Digitalisation** 

Vi Website Builder Workforce Essentials Cloud Telephony ReadyforNext Digital Assessment Vi Secure Portfolio

**Digital Engagement Broadband Platform** 

Vi business - Mobility

**DYNAMIC PLATFORM** WITH DEEP

INTEGRATION

**CAPABILITY** 



Cinema / TV Shows

Live TV





**Big Data Machine Learning Telco Credit** 



**Edge Cloud** 

60+ Distributed Cloud Locations 31.4K+ Fiber POPs for Deep Edge 184K+ Site Locations for IoT reach



**B2B Services** 

Credit Score **Location Tracking Solutions Customer Targeting** Solutions



**VIL PARTNERS**  Global and regional Content **Providers** 

**Handset Manufacturers** 

Financial institutions and **NBFCs** 

**Major Network & IT Vendors** 

**Leading Ecommerce players** 

**Social Media Platforms** 

**Cloud & IoT Platforms** 

## 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



#### **Music Service**

Drive affinity amongst youth & win share

- Music streaming is a high growth market in India with rapidly expanding OTT music user base
- In Dec'21, VIL launched a music streaming proposition in partnership with Hungama, a leading media company



#### Gaming & eSports

Drive deeper digital engagement

- Gaming is a high potential market, which is expected to grow exponentially
- In Mar'22, Vi launched a casual gaming proposition for its consumers and added multi-player features to it
- In Feb'23, Vi forayed into e-sports segment in partnership with Gamerji, an e-sports start up



#### **Curated Experience**

Customised proposition for target group

- Differentiated & custom offerings for focus on key consumer segments like urban youth, urban blue-collared, home-makers & farmers to build consideration and drive market share
- "Vi Jobs & Education" offering to search for jobs, improve spoken English skills and excel in Govt. employment exams, in partnership 'Apna', 'Enguru' and 'Pariksha'



#### **Digital Advertising**

Ad-tech platform to monetize telco assets

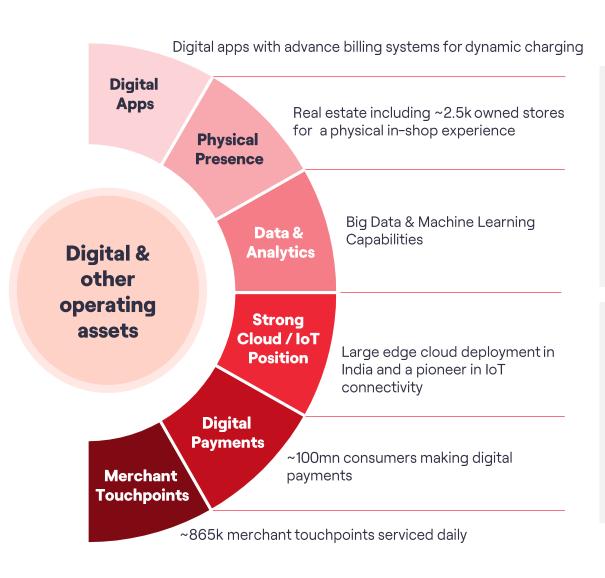
- Leveraging telco data and digital assets to create end to end integrated ad tech platform with self-serve capabilities
- In Jun'22, launched "Vi Ads" and are empaneled with almost all the top media agencies and are part of the media plan for some of the big brands



- Leveraging telco data and access capabilities to create a Digital marketplace as a core monetization agenda
- Partnerships with leading players across categories like OTTs, financial services, lifestyle, device protection, ed-tech, Health, etc.



## 4 Monetization through Digital initiatives & partnership opportunities



#### **OFFERINGS**

#### <u>OPPORTUNITY</u>



INTEGRATED IOT SOLUTIONS



PARTNERSHIPS IN CONTENT, GAMES, etc.

- Large market with significant potential to grow
- VIL has taken some initiatives and few are in pipeline, primarily through partnerships, to participate in these growth opportunities



END TO END CLOUD SOLUTIONS



- Several use cases across logistics, health, education, fintech among others
- Possibility of exponential growth



# Q4FY23 Update



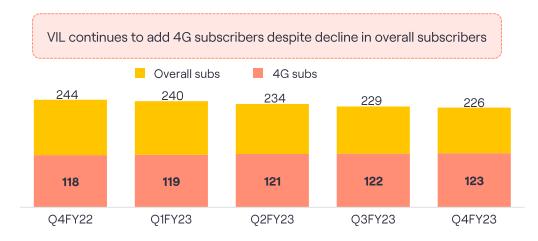
## Financial & Operating KPIs - Many KPIs Showing Improving Trends

Financials & Operating KDIs FY22 FY23					
Financials & Operating KPIs	Q4	Q1	Q2	Q3	Q4
ARPU (Rs)	124	128	131	135	135
Subscriber (Mn)					
EOP	243.8	240.4	234.4	228.6	225.9
Net Adds	(3.4)	(3.4)	(6.0)	(5.8)	(2.8)
4G Subs	118.1	119.0	120.6	121.6	122.6
Market Share (%)					
VIL CMS - EOP	22.8%	22.4%	21.7%	21.1%	20.7%
VIL RMS - GR	19.5% <sup>1</sup>	19.2%	18.6% <sup>1</sup>	18.4% <sup>2</sup>	18.1% <sup>2</sup>
Financial (Rs Bn)					
Revenue	102.4	104.1	106.1	106.2	105.3
EBITDA (pre IndAS 116)	21.2	21.1	21.2	20.0	20.7
EBITDA (Reported)	46.5	43.3	41.0	41.8	42.1
Debt (Rs Bn)					
Gross Debt (incl. accrued int.)	1,979	1,991	2,203	2,229	2,093
-Govt. of India Dues	1,798	1,839	2,052	2,097	1,963
-Banks & Financial Inst. incl OCD	181	152	151	132	130

<sup>1.</sup> BSNL reported revenue included non-telecom revenue; hence, normalized by keeping it same as previous quarter; 2. BSNL revenue excludes receipt towards viability gap funding of Rs. 87.9 bn and Rs. 36 bn in Q3FY23 and Q4FY23 respectively

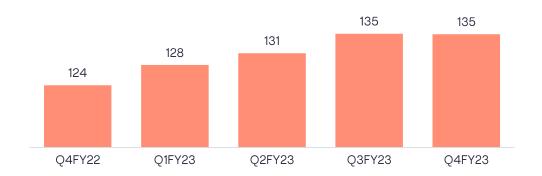
## **Key Operating and Financial Trends**

#### **Consistent Growth in 4G Subscribers (Million)**

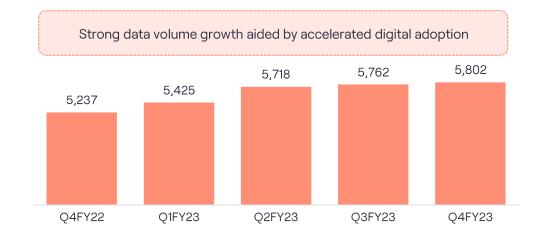


#### Improving ARPU (Rs)

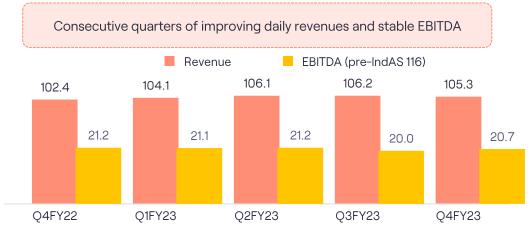
Growth aided by improvement in subscriber mix, tariff hikes and migration of subscribers to unlimited plans



#### **Growing Data Volume (Billion MB)**



#### Improving Revenue & EBITDA (Rs Bn)



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