

## **Highway to Growth**

### **Investor Presentation**

August 2022

### India's First Multi-National Infrastructure Company in the Highways Sector



## **Table of Contents**



IRB Overview	Page 2
Business Overview	
IRB Parent Overview	Page 22
Private InvIT Overview	Page 25
Public InvIT Overview	Page 28
Industry Overview	Page 34
Appendix	Page 43



## Integrated Highway Developer Connecting India by Developing World Class Highway Infrastructure





#### INR 600 bn+ Highway asset base, one of the largest in India



11,930 lane KM Road portfolio



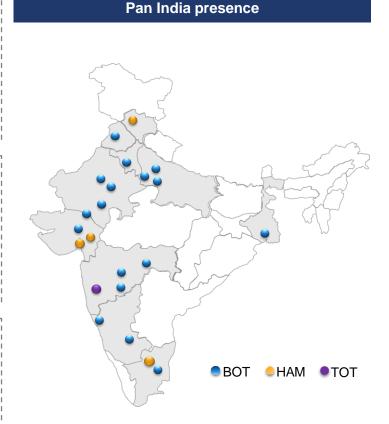
c. 18 years
Weighted
average
residual
concession life



**c. 20%**Of Golden
Quadrilateral
owned and
operated



10 States in India where assets are present



# ©© De-risked capex Through

Through extensive site studies and traffic diligence



Diversified portfolio with optimal mix of projects



Strong AAA rated sovereign counterparty



Toll price linked to inflation and concession period to traffic



1,000+ Strong supplier / contractor relationship in India

### Tech enabled O&M

Real time O&M and control from on-ground inputs



Capital mgmt. plan In line with underlying concessions



40+ years
Long track
record of robust
performance



**2**InvIT platforms
for asset
rotation

#### cintra

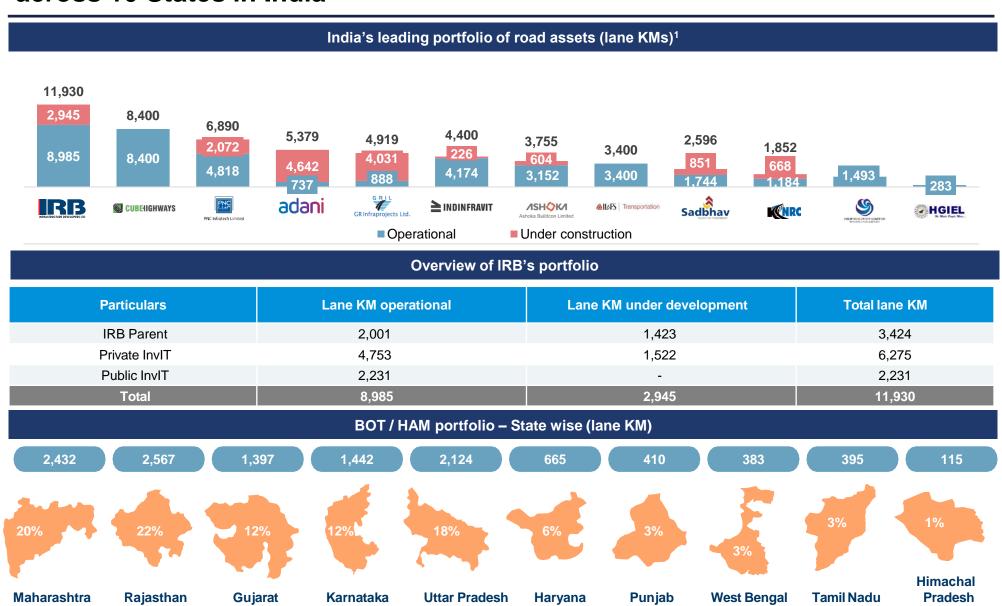
**₩GIC** 

Backed by marquee investors, to capture the growth potential

- Focus on developing BOT projects, which offer high return potential
  - Experienced EPC player with a strong track record of developing roads; well positioned to take construction and traffic risk associated with such projects
- Assets are located in states with high gross state domestic product and healthy traffic growth potential

## Owns and Manages c. 12,000 Lane KM of Roads across 10 States in India





## Fully Integrated Player with In-House Design, Construction, Operations and Maintenance Capabilities

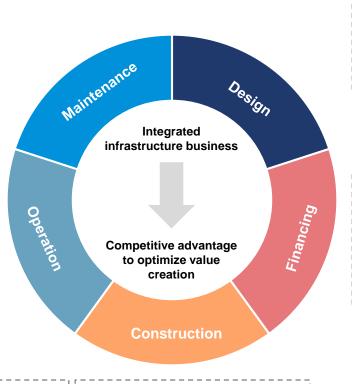




- In-house capabilities, with a pool of expert workforce, to carry out EPC (Construction) and Operation & maintenance of projects
- Evolved methodology, high construction quality requiring low maintenance



- Owns a range of advanced equipment and a highly skilled workforce for efficient operations
- Advanced technology deployment
  - Implementation of SAP across functions
  - 93%+ toll collections are through RFID (FASTag)





- Access to best global technology and practices through partnership with Ferrovial Group
- Owns one of the largest fleet of construction equipment in India
- Ability to construct over 500-600 KMs at any given point of time
- Excellent Rating by NHAI for 9 IRB projects out of top 10 highway projects in India



- Highly evolved design capabilities through 40+ years of experience
- Use of high-grade polymer modified bitumen for roads carrying heavy loads at high ambient temperature
- Use of Stone Mastic Asphalt (SMA) on hill roads for preventing rutting of road surface



- Strong balance sheet, with capability to bid for new projects of any size
- Significant reduction in leverage post Cintra and GIC deal
  - Net debt / equity reduced from 2.0x (FY21) to 0.9x (FY22)
- Net worth of c. INR 126 bn as on Mar 31, 2022

## Efficient O&M Practices, Employing Latest Technology, With a Strong Focus on ESG



#### **Technology driven maintenance regime**



- Site level data capture
- Predictive analytics
- Timely preventive & corrective maintenance
- Benchmarking with global standards

#### Real time operations, monitoring & control



- Real time Inputs from ATMS, toll plaza and site O&M teams
- Robust SOP driven actions real time intervention for incident management
- Informed decision making based on meaningful metrics & reports



#### **Efficient revenue management**



- State of the art toll monitoring & collection systems with minimal human intervention
- Strong & real time Audit & assurance mechanisms
- Data analytics for intelligent & informed decisions

#### **ESG** compliant

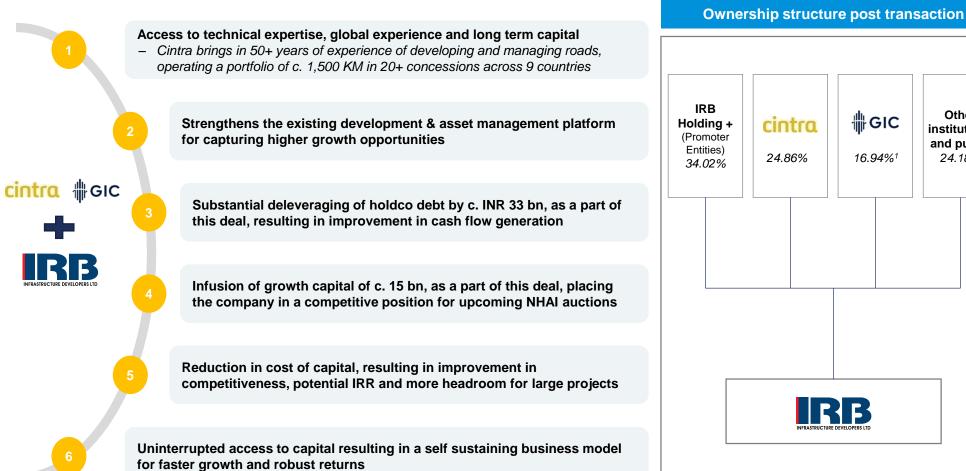


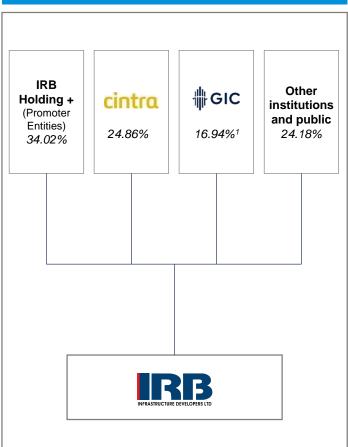
- Focus on environment sustainability
- Positive contribution to society & stakeholders
- Setting high governance benchmarks

### Supported by Marquee Financial and Strategic Investors



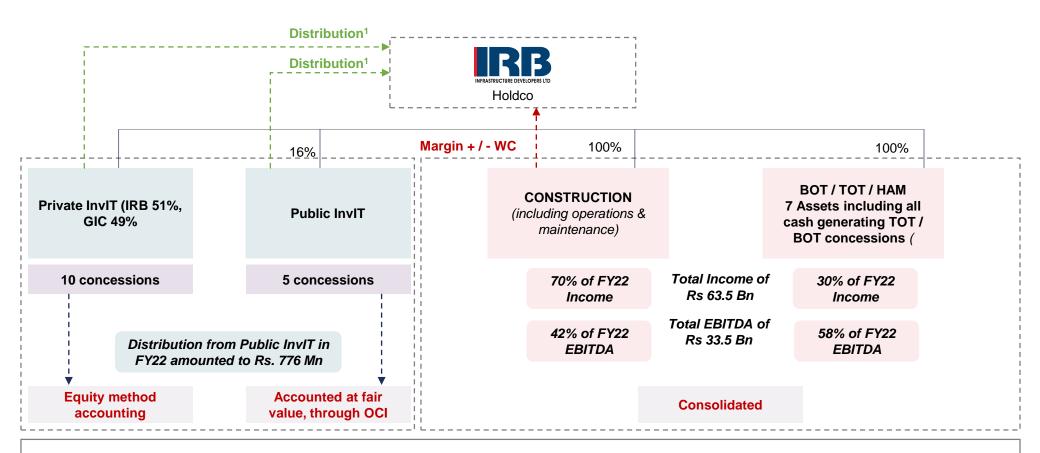
IRB recently concluded the largest equity fund raise by a listed Indian infrastructure developer in the roads and highways sector





## Only Integrated Development Platform in India Catering to Shareholders with Diverse Risk Appetite





- Post award of project, IRB, the holding company, enters into EPC/O&M contract with the Project SPV(s)
- Retains part of the EPC / O&M margins and further sub-contracts the same to MRM
- Once assets mature, they can be monetized through the InvIT

Caters to requirements of stable yield seeking investors, through public InvIT, as well as investors with a higher risk appetite, through equity investment at holdco level

### Approach adopted by analysts for valuation of Integrated Developer Model



Particulars	Methodology
Value of concession Business	DCF of FCFE over concession life
Value of Construction Business	PE Multiple or EV/EBIDTA
Value of Non core assets (Land bank and airport)	Multiple on Investment
Total Value of Business	Sum of above

### The three phases of a typical BOT Concession of 25 years

## Construction Phase

0 to 3 Years

This phase has construction risk, accordingly cost of debt and discounting rate for free cash flow is higher

## Stabilization Phase

From 4 to 11 Years

Post the construction phase, the project starts generating revenue and as risk is reduced – the credit rating improves reflecting in lower cost of debt as well as equity (around 150 to 300 basis points over this phase). This leads to a big jump in the valuation of concessions.

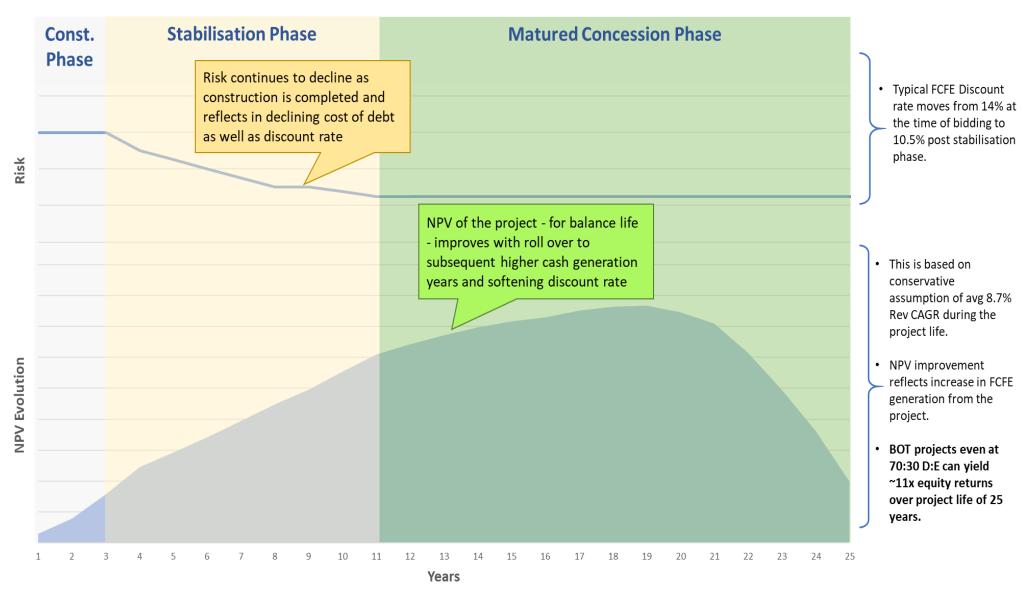
## Matured Concession Phase

From 11 to end of Concession

Entering into this phase, the project has 7 to 8 years of operational history, revenue is stabilized and thus risk has reduced meaningfully. As we roll into subsequent years, a further value expansion occurs which keeps on improving till 18<sup>th</sup> or 19<sup>th</sup> year.

## Value evolution for a typical BOT Concession over its life cycle





## **Financial Highlights**

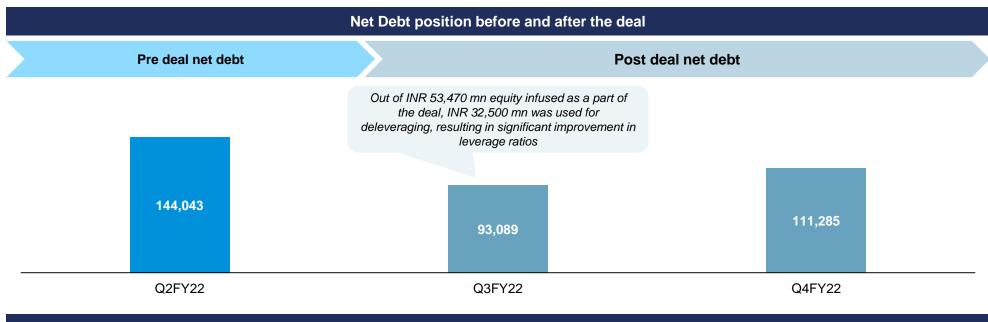




<sup>\*</sup> Includes Exceptional Income of Rs. 574 mn in FY20

## Significant Improvement in Leverage Position Post Equity Infusion by GIC and Cintra





#### Credit rating

Rating before the deal Ind A+ / Negative

 "IRB's combined net leverage improved to 1.93x at end-9MFY22 (FYE21: 6.13x), led by a significant reduction in its debt to INR32.5 billion in FY22, supported by equity proceeds of INR53.5 billion. IRB's net leverage had peaked to 6.13x in FY21 due to funding requirements to under construction SPVs, concession payment of Mumbai-Pune toll operate transfer (TOT) and incremental working capital requirements."

Improvement in order book after bagging LOA for Ganga Expressway –Pkg1

The ratings continue to reflect the company's established track record in the roads and highways sector, backed by prudent project selection and strong execution capabilities, and moderate working capital management. The ratings also factor in its ability to fund ongoing projects by unlocking capital through its infrastructure investment trust (InvIT) platforms.

Rating rationale excerpts

<sup>\*</sup> Rating done by India Ratings & Research.

### Ratings for Long Term Credit Facilities (as at FY22 End)



1 IRB Infrastructure Developers
Limited

- Outstanding Debt Rs. 32,502 Mn
- Rating Ind A+ / Positive

3 IRB Ahmedabad Vadodara Super Express Tollway Private Limited

- Outstanding Debt Rs. 29,965 Mn
- Rating Ind BBB / Stable

2 Modern Road Makers Private Limited

- Outstanding Debt Rs. 3,178 Mn
- Rating CARE A+ / Stable

5 VK1 Expressway Private Limited

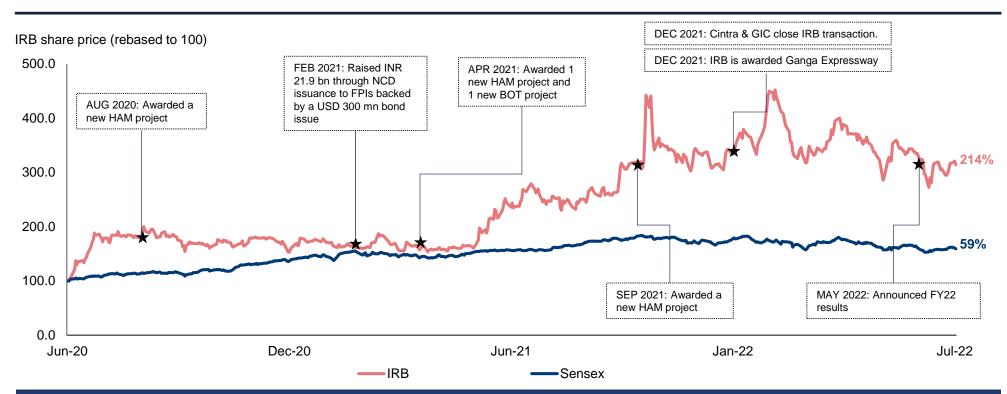
- Outstanding Debt Rs. 8,615 Mn
- Rating Ind AA- / Stable

IRB MP Expressway Private
Limited

- Outstanding Debt Rs. 63,961 Mn
- Rating Ind AA / Stable

### **Share Price Performance**





	Analyst recommendation						
Date	May-20	Nov-20	May-21	Oct-21	Jul-22		
Share price	63.3	111.5	113.1	238.2	208.3		
Target price	116.3	151.3	157.5	274.6	282.3		
Buy %	64%	67%	91%	60%	64%		
Hold %	7%	8%	-	10%	36%		
Sell %	29%	25%	9%	30%	-		

Source: Bloomberg, BSE (Market data as of 13-July-2022)

## Strategic Focus: Bid for a Diversified Portfolio of BOT, TOT and HAM Projects, Spread Across India, for Optimal Risk – Return Mix



#### 1 Bid for new assets

- NHAI expected to award HAM projects to the tune of INR 4,000 bn, BOT projects worth INR 200 bn and TOT bundles amounting to INR 400 bn by FY24
- To focus on bidding for new BOT projects, followed by TOT and HAM projects



#### 2 Diversify presence

 Strategically expand its presence outside its stronghold of Western India and continue focusing on developing roads in states with high gross state domestic product

#### 4 Fund monetization

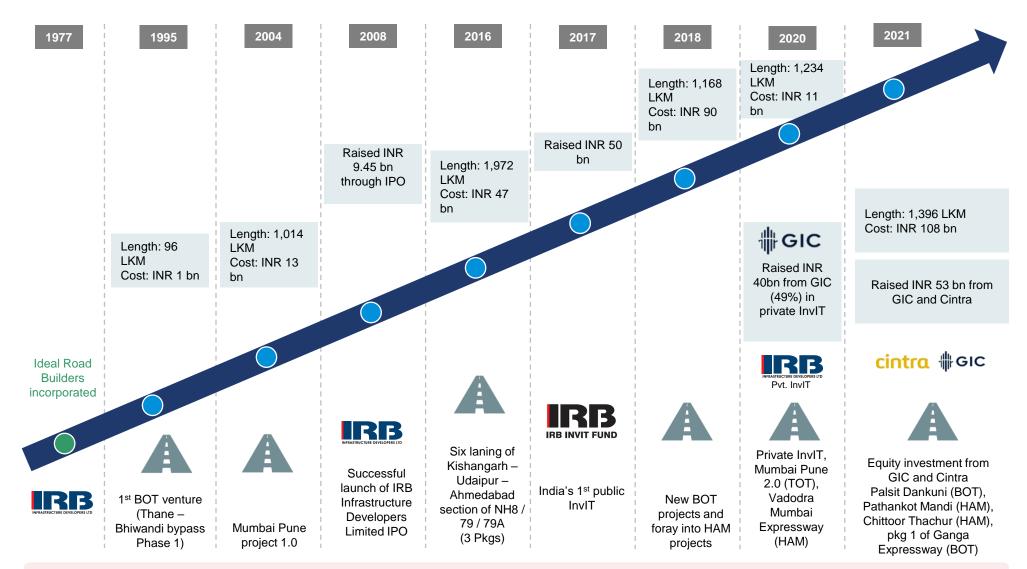
- Fund monetisation through project transfers to private and public InvITs
- Asset rotation will provide IRB with necessary capital to keep growing the asset base, while keeping leverage in check

#### 3 Increase digital penetration

- Increase RFID penetration across all projects to save costs and to make the process of fee collection and fund movement more efficient
- Currently 93%+ collections are cashless for projects across IRB portfolio

## Constantly Evolving EPC Capabilities: Moving Up the Project Complexity Value Chain, Successfully Raising Funds at Crucial Junctures





Constantly enhancing capabilities to undertake larger and more complex projects, across BOT, TOT and HAM

Note: Timeline based on calendar years 16

## Strong Focus on Protecting the Environment and Giving Back to the Community



#### Ferrovial is a sustainability champion, ranking highly in various indices...



- Ferrovial has been a part of Dow Jones Sustainability Index (DJSI) for 20 consecutive years
- Only Spanish company to be in the DJSI Europe and DJSI World indices



 Highest rating "A" for the commitment in the fight against climate change and "A-" for Water



Ferrovial has been present of the index for 18 straight years

Tracking	well agains	t its sustainabi	lity targets
Hacking	, well ayallıs	i ilə əuətamabı	iity taryets

Tracking well against its sustainability targets					
2025 100% renewable energy	2021 78% renewable energy	2030 -35.3% scope 1,2; -20% scope 3 CO <sub>2</sub> reduction	2021 -23.5% scope 1,2;44.9% scope 3 CO <sub>2</sub> reduction		
2030 -20% Business Water Index	2021 -31.2% Business Water Index	Target 30x annual compensation (WTI + WAI) <sup>1</sup>	2021 50x annual compensation (WTI + WAI) <sup>1</sup>		
Target SIF frequency rate annual reduction -10%	2021 SIF frequency rate annual reduction -15%	2030 Women recruits to junior positions 40%	2030 Women recruits to junior positions 47.7%		

IRB has a strong focus on environment, sustainability and community, which is expected to be further strengthened through Ferrovial's expertise

#### IRB's current environment focused initiatives



Water conservation measures: Drip irrigation and rainwater harvesting



Replacing conventional machinery with modern equipment



Minimized cutting of trees and replanting of trees



Use of recycled products, in line with the quality and safety standards

#### IRB's current community focused initiatives

- Established IRB Schools in Rajasthan and Punjab, to provide high quality free education from the preprimary to class VII with special focus on girl child education
- Financial support for sports persons and artists
- Promotion of educational and cultural activities in several engineering and educational institutions
- Support to NGOs involved in Swachh Bharat Mission
- Provided state-of-the-art mobile diagnostic centre for cancer screening, mammography and vision restoration in the rural areas of Thane, Maharashtra

Note: 1. Water Treatment Index and Water Access Index

### **Board Driven Robust Governance Policies**



#### **Policies**



- Environment policy
- Code of Conduct



- Human rights Policy
- Corporate Social Responsibility Policy
- Health, Safety and Welfare Policy
- Maternity Benefit Policy
- POSH Policy



- Board Diversity
- Dividend distribution and shareholders return policy
- Related Party Transaction Policy
- Data Protection & Privacy Policy

#### **Committees**

- Corporate Social Responsibility Committee
- Risk Management Committee
- ESG Committee of Management

- Corporate Social Responsibility Committee
- ESG Committee of Management

- Audit Committee
- Nomination and Remuneration Committee
- Risk Management committee

#### **Assurance**



#### **ESG Committee**

Established ESG committee of the Management to implement ESG framework under BRSR

## Business Responsibility and Sustainability Reporting, Mandatory for Listed Companies FY23 Onward<sup>1</sup>, to Bring About Reporting Transparency



Business responsibility and sustainability reporting (BRSR) is intended towards having quantitative and standardized disclosures on ESG parameters, to enable comparability across companies and over time

#### BRSR to be governed by 9 principles of the National Guidelines on Responsible Business Conduct



 Businesses should conduct and govern themselves with integrity and in a manner that is ethical, transparent and accountable



 Businesses should provide goods and services in a manner that is sustainable and safe



 Businesses should respect and promote the well-being of all employees, including those in their value chains



 Businesses should respect the interests of and be responsive to all its stakeholders



Businesses should respect and promote human rights



 Businesses should respect and make efforts to protect and restore the environment



 Businesses, when engaging in influencing public and regulatory policy, should do so in a manner that is responsible and transparent



 Businesses should promote inclusive growth and equitable development



 Businesses should engage with and provide value to their consumers in a responsible manner

#### Reporting methodology

- Reporting under each principle is divided into essential and leadership indicators
- Essential indicators are required to be reported on a mandatory basis while the reporting of leadership indicators is voluntary

#### Applicable timelines

 From FY23, filing of BRSR shall be mandatory for the top 1,000 listed companies (by market capitalization)





## Strong In-house Project Design, Execution and Maintenance Capabilities





 One of the largest BOT portfolios in the country total length of around c. 12,000 lane KMs of BOT road assets



## Efficient project execution capabilities

- Access to best global technology and practices through its strategic Investor - Ferrovial group
- Projects executed Pan India
- Ability to construct over 500-600 KMs in a year



#### Large equipment bank

- One of the largest fleet of construction equipment in India, worth INR 5 bn+
- Processes in place for equipment management and tracking
- 3,000+ skilled and unskilled employees



## Ability to independently bid for large contracts

- Robust contract management capabilities
- Professional management team
- Qualified (without any 3<sup>rd</sup> party) for all sizes of highway projects



#### In-house O&M capabilities

- Expert talent pool and state of the art equipment bank helps in managing entire tolling and maintenance function inhouse
- Manages O&M of all group assets

#### Order book and financial performance overview (INR mn)

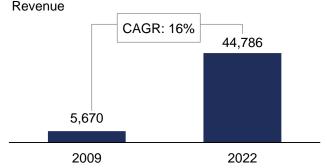
#### Order book (as on 30-June-2022)

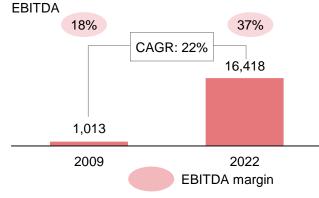
Total order book: 157,000

O&M in BOT / TOT Projects **62,000** 

EPC/ Construction in Ongoing BOT/ HAM Projects 95,000

## Robust increase in construction revenue and EBITDA since sting





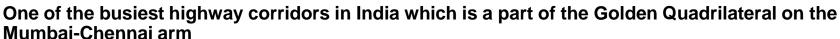
## **Healthy Mix of BOT, TOT and HAM Projects**



	S. No.	Project	Counterparty	State	Project cost (INR mn)	Lane KMs	# of Lanes	Original Concession ( in Years)	Status
2 BOT projects	1	Ahmedabad Vadodara	NHAI	Gujarat	48,800	987	6	25	Tolling start: January 1, 2013
	2	Ganga Expressway – Pkg 1	UPEIDA	Uttar Pradesh	66,560	778	6 <sup>1</sup>	30	Financial closure is achieved
1 ТОТ	S. No.	Project	Counterparty	State	Project cost (INR mn)	Lane KMs	# of Lanes	Original Concession ( in Years)	Status
project	1	Mumbai – Pune – YCEW and NH- 48	MSRDC	Maharashtra	88,750	1,014	4	10 Years and 2 Months	Tolling start: March 1, 2020
	S. No.	Project	Counterparty	State	Project cost (INR mn)	Lane KMs	# of Lanes	Original Concession ( in Years)	Status
	1	Vadodara – Kim Expressway (In process of being transferred to public InvIT)	NHAI	Gujarat	20,940	190	8	15 years over construction period	PCOD received on April 2, 2022
4 HAM projects	2	Vadodra – Mumbai expressway (Gandheva to Ena)	NHAI	Gujarat	17,550	216	8	15 years over construction period	Received Appointed Date as November 9, 2021
	3	Pathankot Mandi	NHAI	Himachal Pradesh	8,280	168	4	15 years over construction period	Received Appointed Date as May 18, 2022
	4	Chittoor Thachur	NHAI	Tamil Nadu	9,090	120	6	15 years over construction period	Financial closure is achieved

Note: 1. Expandable to 8 lanes

### Mumbai Pune TOT – A Crown Jewel in IRB's Portfolio





#### **Project highlights Project snapshot** Road Tolling operations, maintenance and transfer of ■ YCEW - 94 Km, NH-48 - 111 Km length Yashwantrao Chavan Expressway (YCEW) & Overview National Highway NH-48 (Old NH-4) in **Awarding** Maharashtra State Road Development Corporation Maharashtra authority After having managed the project for last 15 years: Sub-concession agreement provides for toll rate increase of 18% for Toll rate YCEW every 3 years until FY24 and by 16% for NH48 every 3rd IRB has deep insights on the traffic trends **Strengths** hike vear until end of the concession period It can leverage on its experience in operating and managing the project **Tolling start** March 1, 2020 date One of the most prestigious, busiest and high growth road projects in India connecting two major Concession economic hubs (i.e. Mumbai and Pune) ■ 10 years and 2 months ending on April 30, 2030 period<sup>1</sup> There are no alternative short or long-distance routes with comparable riding quality and cost Means of finance (INR bn) efficiency between Mumbai and Pune The key factor driving the continued growth for the Sponsor Internal **Particulars** Term loan **Total** project is the "Twin City concept" with Pune contribution accruals evolving as an extended corridor and part of Unique Appraised numbers 14.4 66.1 8.3 88.88 proposition Mumbai A large proportion of the traffic plying on this **Financial snapshot** project comprises of passenger vehicles which typically exhibit higher growth in long run FY20<sup>2</sup> FY224 **Q1FY23 Particulars FY19 FY21**<sup>3</sup> **FY18** It also derives higher growth being a part of Golden Quadrilateral (thus a proxy on economic Revenue 9.2 3.6 9 4 9.6 12.2 growth) and due to its proximity to India's largest (INR bn) port – JNPT Daily collection Traffic CAGR of 7%+ over previous 15 years 24.7 25.2 26.3 27.9 33.5 39.6 (INR mn)

#### Note:

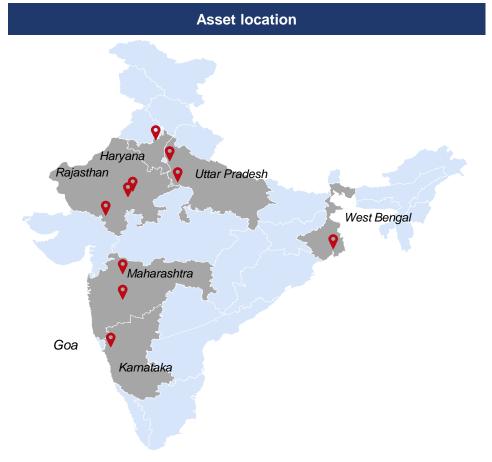
- Expected extension in concession period due to COVID-19 has not been considered;
- 2. Concession agreement ended on till August 10, 2019; new concession started on March 01, 2020
- 3. Toll Collection for FY21 is impacted due to global pandemic
- 4. Toll Collection impacted due to resurgence of 2<sup>nd</sup> wave of Covid-19

Tariff increase effective from 1st April of respective year



## **Private InvIT: IRB Infrastructure Trust (Portfolio of 10 Assets)**





Uı	nit holding pattern			
IRB INFRATRICTURE DEVELOPES LTD				
51% (sponsor)	49%			

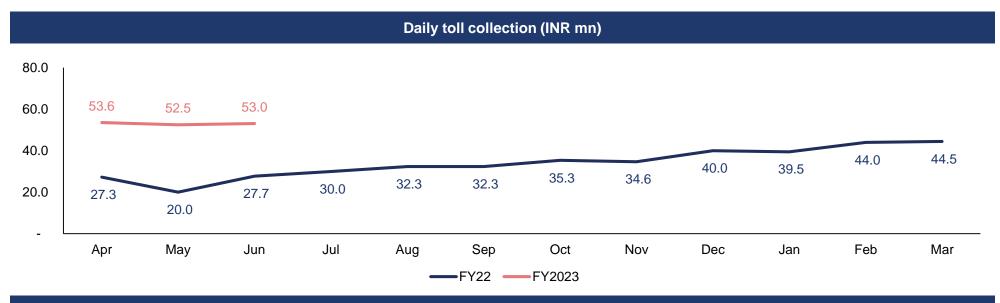
Asset overview							
Sr. No.	Project	Project cost (INR mn)	Lane KM	Status			
Karnat	aka		758				
1	Goa Kundapur	34,770	758	PCOD achieved			
Mahara	ashtra		1,151				
2	Solapur Yedeshi	15,900	395	COD achieved			
3	Yedeshi Aurangabad	41,770	756	COD achieved			
Haryar	na		665				
4	Kaithal Rajasthan Border	23,230	665	COD achieved			
Uttar P	radesh		1,346				
5	Agra Etawah	30,440	747	COD achieved			
6	Hapur Moradabad	33,450	599	COD achieved			
Rajast	han		1,972				
7	Udaipur - GJ Border	25,310	683	COD achieved			
8	Gulabpura – Chittorgarh	20,090	749	COD achieved			
9	Kishangarh – Gulabpura	15,260	540	COD achieved			
West E	West Bengal 378						
10	Palsit Dankuni	23,140	383	Tolling and Construction			
	Total		6,275				

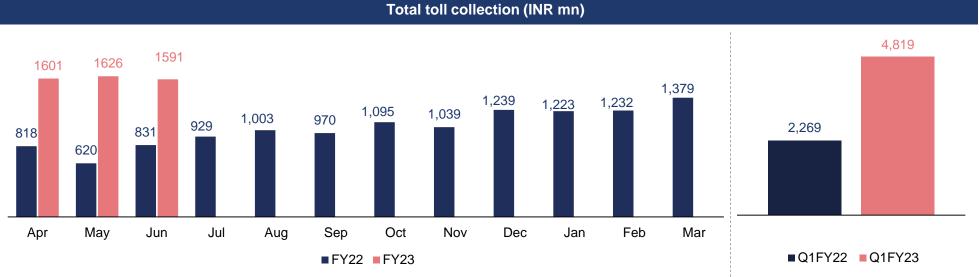
Key Highlights (INR mn)				
Operating Cash EBITDA (Q1FY23)	2,947			
Net Debt ( FY22)	90,760			
Enterprise Value (FY22) *	244,467			
Weighted avg life of Assets (FY22)	18 Years			

<sup>\*</sup> Based on Independent Valuer's Report

## **Strong Recovery in Toll Collection Across Projects**



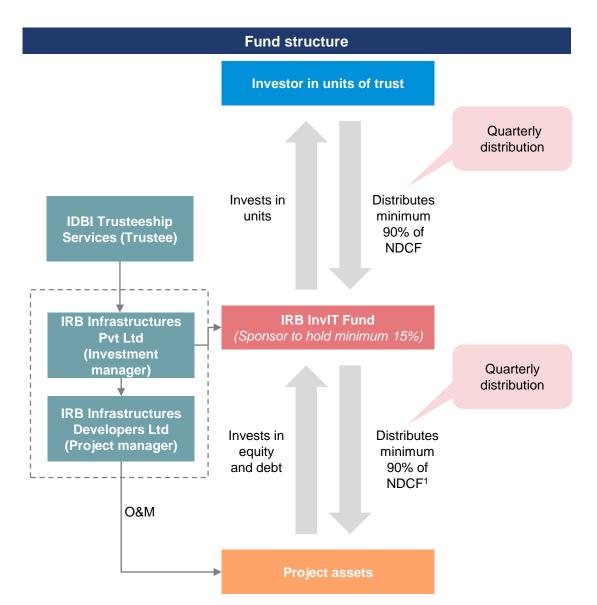






### **Structure of Public InvIT**





Unit holders holding more than 1%				
S. No.	Unit holder	% holding		
1	IRB Infrastructure Developers (sponsor)	16.0%		
2	Government Of Singapore	7.8%		
3	Aditya Birla Sun Life Trustee	6.4%		
4	CIM Investment Fund	4.2%		
5	BNY Mellon Investment Funds	4.1%		
6	Prusik Umbrella Ucits Fund	4.0%		
7	Monetary Authority Of Singapore	2.6%		
8	Virendra D Mhaiskar	2.1%		
9	PFIL Securities	2.1%		
10	Pace Stock Broking Services	1.8%		
11	Nomura Singapore	1.7%		
12	HDFC Life Insurance	1.7%		
13	Schroder Asian Asset Income Fund	1.5%		
	Total	56.0%		

### **Public InvIT (Portfolio of 5 Assets)**



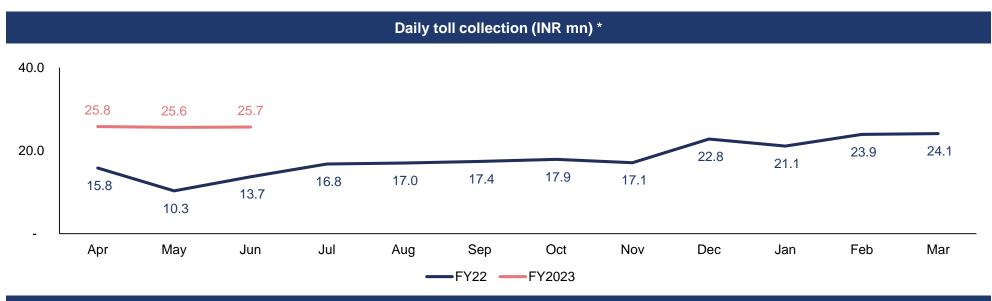
- Listed in My-2017 with initial portfolio of six operational assets; seventh asset was transferred in Sep-2017
- BOT-Toll assets with proven traffic history and spread across different states incl. Maharashtra, Gujarat, Rajasthan, Karnataka, Punjab & Tamil Nadu
- Presence across key highway stretches in India; four assets part of Golden Quadrilateral corridor with one asset on the East-West corridor
- Remaining concession life of ~16 years

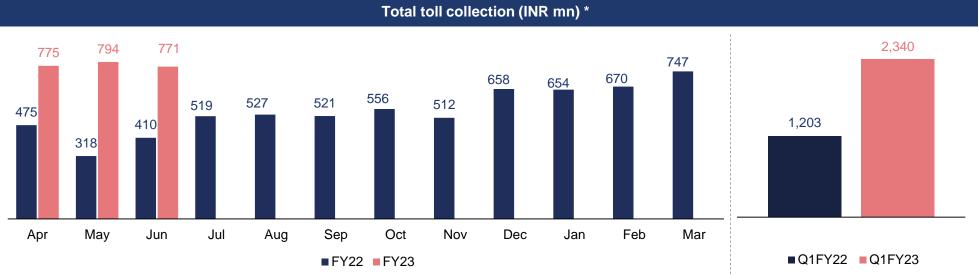


Asset overview						
S. No.	Project	Project cost (INR mn)	Lane KM	Status		
1	Talegaon - Amravati	8,880	267	Operational		
2	Amritsar Pathankot	14,450	410	Operational		
3	Jaipur Deoli	17,330	595	Operational		
4	Tumkur Chitradurga	11,420	684	Operational		
5	Omallur - Salem - Namakkal	3,080	275	Operational		
	Total		2,231			

## **Strong Recovery in Toll Collection Across Projects**



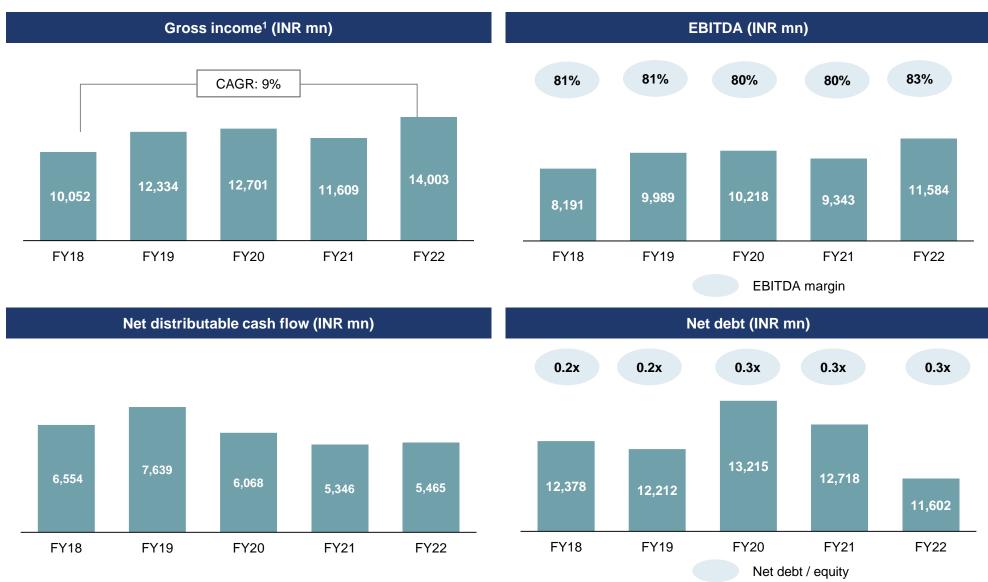




<sup>\*</sup> Toll Collection excluding Surat Dahisar Project and Bharuch Surat Project

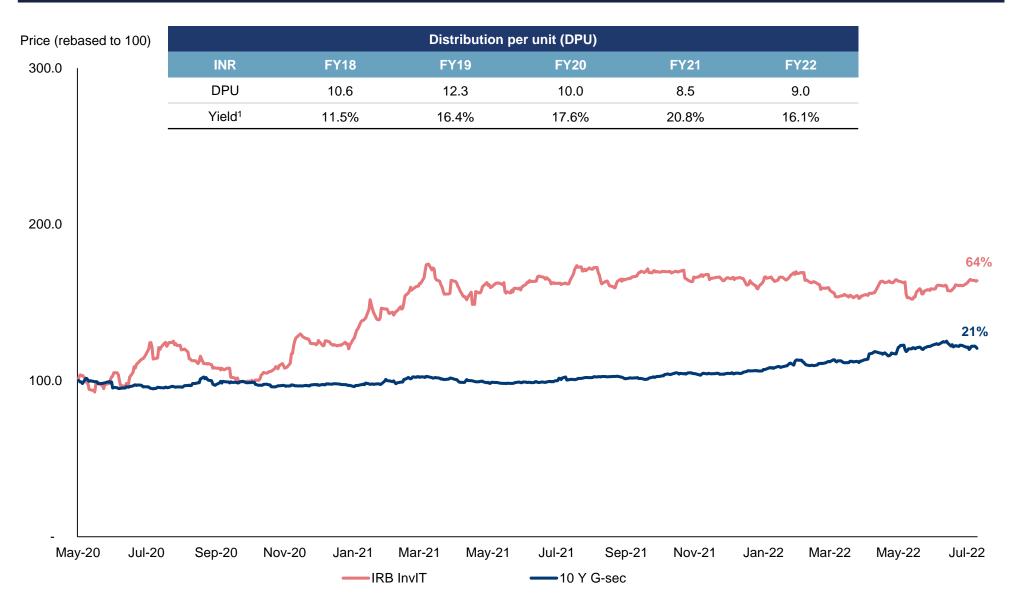
### **Financial Highlights**





## **Unit Price Performance Since Inception**





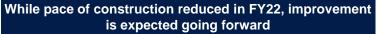
Source: BSE (Market data as of 13-July-2022), 10 year G sec data – investing.com Note: 1. Calculated on average share price for the FY



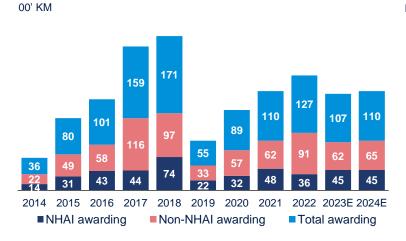
#### **Indian Road Sector Outlook**



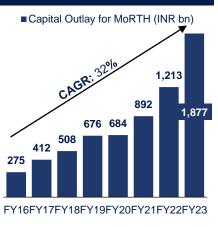
Healthy awarding activity seen during last 2-3 years estimated to be maintained going forward..





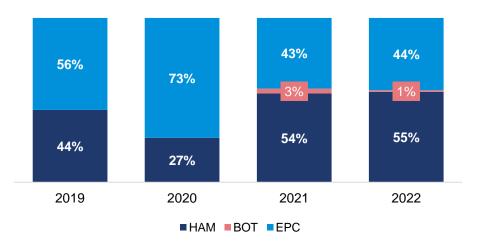






Significant focus on HAM as a mode of awarding projects, with awarding through BOT mode also picking up

Breakup of new projects awarded in terms of length



Several Initiatives for Infrastructure Development by the Government of India

Bharatmala Pariyojana  Phase-I of the scheme, wherein ~35,000 KM of highways will be developed, to be completed till FY 2027

National Infrastructure Pipeline

 Launched in Dec. 2019 to support Infra development; road sector allocation 2<sup>nd</sup> highest with outlay of INR 20 tn in FY 20 - 25

## **Attractive Sector with Strong Underlying Fundamentals**



#### Indian highways exhibit strong fundamentals, secular growth trends and stable regulations



- ✓ Growing urbanization and rising personal disposable income
- ✓ Amongst the fastest growing vehicle markets



- Strong fundamentals
- ✓ Inflation pass through
- ✓ High barriers to entry
- Direct play on increasing consumer spending
- Minimal receivable risk due to upfront toll collection



- **Private participation**
- ✓ Time tested 1<sup>st</sup> PPP in 1995
- c. INR 344 bn private investment in road construction in India in FY20 and FY21



- Large road network
- √ 2<sup>nd</sup> largest road network in the world
- √ Transports 65% of goods and 90% of passenger traffic in the country



√ National Infrastructure Pipeline (NIP) envisaged capital expenditure of c. INR 20 tn in the roads sector in FY20 − FY25



 Vision 2025: focus on last mile connectivity & tilting asset ownership in favour of financial investors

#### **Bharatmala Pariyojana Phase 1**

Program launched by GOI for developing new highways and upgradation of highway infrastructure in India

Focus on ease of land acquisition and timely completion

34,800 Km of highways to be developed in Phase I (completion in 5 years)

Estimated investment of c. INR 10.6 tn

c. 10,000 KM of projects to be awarded in FY23, with the remaining project length to be awarded by FY24

# Roads Sector has a Significant Share in Government's Infrastructure Development Pipeline







#### **National Monetization Pipeline**

- Monetization of INR 6 tn of brownfield assets, with stable revenue streams, by FY25
- Highest allocation to Roads (27%) among all sectors
- Roads considered for monetization include 4 lane highways and above which are operational / will be operational through the monetization period
- Long concession periods under the contracts
- Asset base considered for monetization represents 22% of total NHs (excluding network operated by private players under BOT – toll model)

#### PM Gati Shakti Master Plan

- Construction of INR 111 tn of greenfield assets in the core infrastructure sectors up to FY25
- Roads (19% share) have received a healthy share of allocation among infrastructure sectors
- Plan includes development of 22 greenfield expressways and 23 other key infrastructure and highway projects
- The National Infrastructure Pipeline has been subsumed under recently announced PM Gati Shakti Master Plan

26,700 KMs

Asset Length to be monetized

c. INR 1.6 Trillion

worth of assets to be monetized

200,000 KMs

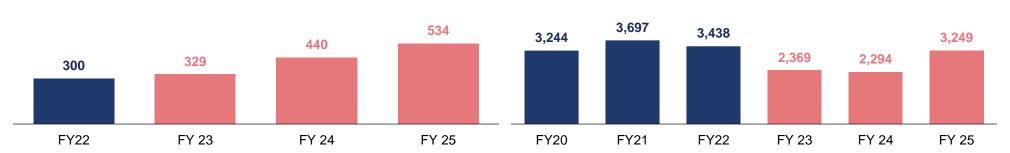
Highways length to be achieved by FY25

c. INR 20 tn

Capex in roads sector by FY25

Indicative monetization value and phasing for roads (INR bn)





### **Regulatory Overview**





#### NHAI has successfully attracted investments in the roads sector through and array of PPP models

#### **Build Operate Transfer (BOT) Toll**

 Concessionaire is responsible for designing, building, financing, operating, maintaining, tolling and transferring the project to the authority at the end of the concession

#### **Hybrid Annuity Model (HAM)**

- Concessionaire is responsible for designing, building, financing, operating, maintaining and transferring the project to the authority at the end of the concession
- Government takes care of tolling
- Inflation adjusted construction support of 40% and balance 60% during operational phase by way of semi annual Annuities for 15 years is provided by the government to the concessionaire along with Interest @ Bank rate +3% on balance annuity and O & M Payments

#### **Toll operate Transfer (TOT)**

 Operational Projects, are put up for bidding, wherein the right of collection and appropriation of fee is for a predetermined concession period is awarded to concessionaires (developers or investors) against the upfront payment of a lump sum amount to NHAI

#### **Key features of the regulatory framework – Model Concession Agreement (MCA)**



Inflation linked tolls



Traffic risk mitigation with a mechanism to adjust concession life as compensation





Protection from risk of creation of competing stretches



Capital grants to partially cover project costs based on bid parameters



All change of scope expenses (if aggregated cost >0.25% of project costs) are compensated by NHAI



Protection against force majeure events

Increasingly favorable policy measures by NHAI

**Overview** 



Approved 100% exit policy, enabling full stake sale 2 years after commissioning



Premium payment deferment especially if underwriting case underperforms



Claim settlement policy as well as extension of concession period



• Enhanced dispute resolution, reduced land related delays (min. 90% of RoW before appointed date with balance within 180 days, else to be descoped) and better downside protection (earlier assessment of revenue shortfall @ 5 years vs 10 years)

## **Bankable Concession Terms**

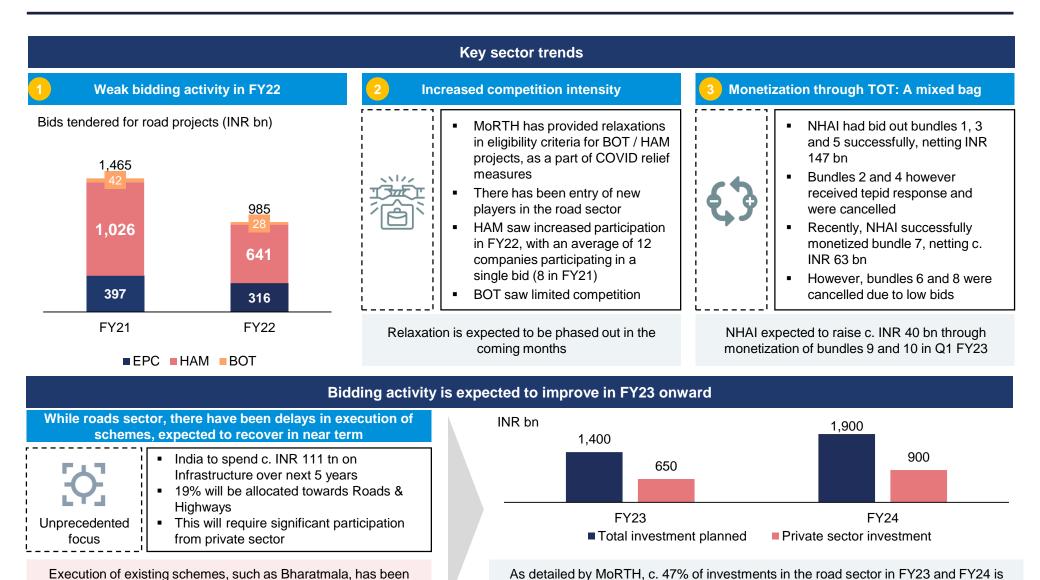
#### Key positive of Indian Roads & Highways sector



Typical terms	<b>Details</b>
NHAI as counterparty	<ul> <li>NHAI is an agency appointed by the federal government for development of roads and highways in India</li> <li>NHAI is a quasi-sovereign entity with a 'AAA' rating</li> <li>Well-funded by federal government</li> </ul>
Termination payment	<ul> <li>As per new termination payment regime by NHAI, 90% debt is fully covered by termination payment from NHAI in case of Concessionaire event of default as well</li> <li>Termination payment of up to 150% of equity invested and 100% of debt due in other events, providing enough cover for equity investors</li> </ul>
Long concession period (20 – 30 Years)	<ul> <li>The concession life of 20 to 30 years provides enough cushion in terms of long tail period and multiple refinancing opportunities even on fully amortized basis</li> <li>Floor and Cap model to protect developer returns, which provides for automatic extension of concession period up to maximum of 20% of concession period if target traffic is not achieved</li> </ul>
Supportive regulator	<ul> <li>Covid loan offered to the extent relief not granted under moratorium per RBI guidelines, to provide cashflow support</li> <li>Extension in concession period for up to 6 months to compensate revenue loss during and after toll suspension</li> <li>Similar counter-cyclical measures by NHAI during Demonetization or any other disruptions in India</li> </ul>
No price risk	<ul> <li>India has a long track record of toll rate escalation</li> <li>Toll rate escalation is pre-defined in concession agreement to take place on 1st of April every year</li> <li>Escalation is not entirely WPI dependent and follows the formula 3% + 40% of WPI, thus providing an essential cushion</li> </ul>

# While the Sector has Witnessed Subdued Bid Activity Recently, Outlook Remains Positive





Source: KIE Research and other industry reports

slow, but expected to pick up pace in the near term

expected from private sector

## **Key Takeaways**



Large pipeline of future growth with upcoming national & state highway bids Proven credentials in the highways space Significant improvement in financial metrics post GIC and Cintra -transaction Access to complementary capabilities with Cintra & GIC IRB 2.0 is well geared to respond to the upcoming market opportunities





## **Financial Summary (Yearly)**



INR in Million

							INR in	Million				
		Total all segments			Construction Segment			BOT Segment				
INR mn	FY22	FY21	FY20	FY19	FY22	FY21	FY20	FY19	FY22	FY21	FY20	FY19
Revenue	63,554	54,875	70,472	69,026	44,786	38,223	52,105	47,098	18,768	16,652	18,366	21,929
EBITDA	33,492	27,016	31,664	31,329	16,418	11,940	15,576	11,977	17,075	15,075	16,088	19,352
EBITDA margin	53%	49%	45%	45%	37%	31%	30%	25%	91%	91%	88%	88%
Financial expenses	18,906	16,924	15,644	11,201	8,751	6,171	3,890	3,149	10,156	10,754	11,753	8,051
Depreciation and amortization	6,828	5,817	4,683	5,395	332	336	411	428	6,496	5,481	4,272	4,967
PBT (Before JV)	7,758	4,274	11,911*	14,733	7,335	5,433	11,275	8,399	423	(1,159)	636	6,334
PAT (Before JV)	5,876	2,829	7,367	8,500	5,499	3,982	8,162	5,214	377	(1,152)	(795)	3,285
PAT margin	9%	5%	10%	12%	12%	10%	16%	11%	2%	NM	NM	15%

## **Financial Summary (Quarterly)**



INR in Million

							ı ı	NR IN WIIIION	
	Т	otal all segmen	nts	Construction Segment				BOT Segment	
INR mn	Q1FY23	Q4FY22	Q1FY22	Q1FY23	Q4FY22	Q1FY22	Q1FY23	Q4FY22	Q1FY22
Revenue	19,954	16,828	16,705	14,680	11,727	12,678	5,274	5,101	4,027
EBITDA	11,315	8,906	7,447	6,470	4,268	3,821	4,845	4,638	3,626
EBITDA margin	57%	53%	45%	44%	36%	30%	92%	91%	90%
Financial expenses	3,850	3,990	4,675	1,278	1,504	2,158	2,571	2,486	2,518
Depreciation and amortization	2,031	1,888	1,364	126	114	67	1,905	1,774	1,297
PBT (Before JV)	5,434	3,028	1,407	5,065	2,650	1,597	369	378	-189
PAT (Before JV)	3,966	2,350	1,059	3,650	1,979	1,226	316	371	-167
PAT margin	20%	14%	6%	25%	17%	10%	6%	7%	-4%

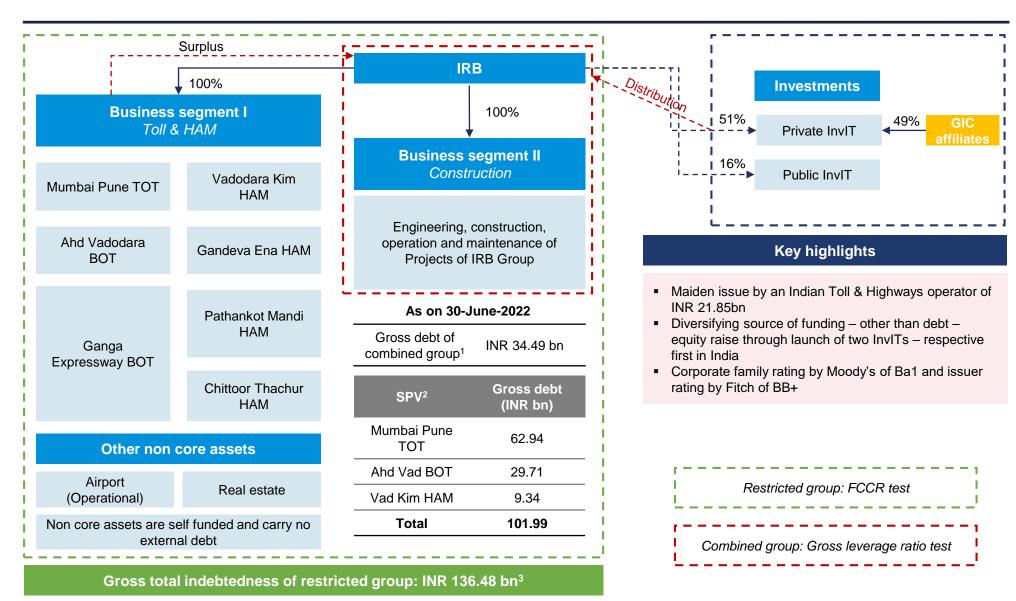
## **Financial Summary – Yearly Cash Flow**



Moveme	Movement in cash position								
INR mn	2018	2019	2020	2021	2022				
Opening cash balance	2,853	2,063	2,724	4,374	6,480				
Construction EBITDA	12,543	11,977	15,576	11,940	16,418				
BOT EBITDA	15,450	18,532	15,312	14,538	16,583				
Distribution from InvIT	487	820	776	538	491				
EBITDA	28,480	31,329	31,664	27,016	33,492				
EBITDA ex. interest and dividend income	27,061	29,603	29,851	25,425	30,552				
Working capital	(1,062)	1,145	11,527	(13,591)	(22,296)				
Tax	(5,015)	(3,483)	(3,837)	(2,171)	(1,963)				
Other operating cash flows	339	(165)	(448)	(995)	(2,652)				
Net capex	(39,701)	(42,172)	(52,012)	(77,907)	(13,743)				
Investments in subsidiaries and JVs	0	0	7,574	(4,098)	(6,705)				
Repayments by JVs	0	0	0	0	4,829				
Other current and non current investments	11,979	(385)	(6,671)	(1,277)	(1,075)				
Interest received	1,255	1,709	2,055	1,522	1,161				
Dividend received	253	34	1	0	0				
Net proceeds from non current borrowings	5,230	24,520	19,258	54,992	(8,720)				
Net proceeds from NCDs	0	0	0	41,783	(12,710)				
Net proceeds from current borrowings	11,201	1,470	7,544	(4,843)	(8,901)				
Interest paid	(8,946)	(10,555)	(12,827)	(14,927)	(16,607)				
Payment of lease liabilities	0	0	(47)	(50)	(43)				
Equity capital issue (including issue expense)	0	0	0	0	52,867				
Dividends paid (including tax)	(3,384)	(1,059)	(50)	(1,757)	0				
Change in cash balance	(790)	661	1,917	2,106	(6,008)				
Cash inflow on acquisition of Subsidiary / (Cash outflow on transfer of Subsidiary	0	0	(267)	0	0				
Closing cash balance	2,063	2,724	4,374	6,480	473				
Other bank balances	10,615	12,826	18,278	16,855	16,909				
Investment in mutual fund	1,838	323	128	3,123	4,635				
Total Cash and Bank Balance including Liquid Assets	14,516	15,873	22,780	26,458	22,017				

#### Offshore Bond Issue - Covenant Structure





## **Leverage Summary – Bond Covenant**



INR in Mn

Particulars	TTM ending June 30, 2022	TTM ending March 31, 2022	TTM ending March 31, 2021			
Business Segment I: Toll & HAM						
Revenues	19,570	18,277	16,112			
EBITDA	17,349	16,083	14,532			
Gross Debt	101,983	102,541	97,711			

Business Segment II : Construction + Surplus from other businesses (Combined Gp)						
Revenues	47,623	45,611	38,943			
EBITDA	20,401	17,743	13,163			
Gross Debt *	34,494	32,313	61,446			
Gross Leverage Ratio (x)	1.7	1.8	4.7			

Consolidated Total for all segments (Restricted Gp)						
Revenues	67,193	63,888	54,880			
EBITDA	37,750	33,826	27,020			
Interest Cost	15,879	16,647	14,142			
Gross Debt*	136,477	134,854	159,157			
FCCR (x)	2.4	2.0	1.9			

<sup>\*</sup> Debt of INR 32,500 mn prepaid in December 2021 and January 2022

.

## **BOT Toll Revenue Comparative – IRB and Private InvIT Projects**



IRB Projects
Amount in INR mn

MUMBAI - PUNE								
Quarter	2018-19	2019-20	2020-21*	2021-22*	2022-23	% Variance		
Jun	2,309	2,470	1,167	2,373	3,606	52.0%		
Sept	2,148	939	2,191	3,055				
Dec	2,372	-	3,106	3,462				
Mar	2,354	621	3,221	3,342				
Total	9,182	4,031	9,685	12,232	3,606			

AHMEDABAD VADODARA									
Quarter	2018-19	2019-20	2020-21*	2021-22*	2022-23	% Variance			
Jun	1,041	1,135	589	1,086	1,572	44.7%			
Sept	982	1,098	1,080	1,297					
Dec	1,126	1,260	1,310	1,441					
Mar	1,144	1,224	1,321	1,431					
Total	4,294	4,716	4,300	5,254	1,572				

Mum-Pune 1.0 Concession ended on 10th Aug 2019 and Mum-Pune 2.0 Concession started on 1st Mar 2020

#### **Private InvIT Projects**

Gulabpura Chittorgarh							
Quarter	2018-19	2019-20	2020-21*	2021-22*	2022-23	% Variance	
Jun	533	419	217	329	822	149.6%	
Sept	504	394	372	526			
Dec	473	399	409	680			
Mar	461	382	405	741			
Total	1,970	1,594	1,402	2,276	822		

Udaipur - Shamlaji								
Quarter	2018-19	2019-20	2020-21*	2021-22*	2022-23	% Variance		
Jun	383	353	159	334	638	91.1%		
Sept	353	321	301	536				
Dec	359	336	354	563				
Mar	359	317	363	570				
Total	1,454	1,328	1,178	2,003	638			

Gross BOT Toll Collection presented

<sup>\*</sup> FY21 numbers reflecting impact of toll collection suspension due to Covid-19 across the country and FY 22 numbers are impacted due to resurgence of 2<sup>nd</sup> and 3<sup>rd</sup> wave of Covid-19 across the country

## **BOT Toll Revenue Comparative – Private InvIT Projects**



#### Amount in INR mn

Yedeshi Aurangabad							
Quarter	2018-19	2019-20	2020-21*	2021-22*	2022-23	% Variance	
Jun	-	288	153	346	574	65.8%	
Sept	-	253	274	382			
Dec	-	260	444	395			
Mar	49	271	444	489			
Total	49	1,072	1,315	1,613	574		

Agra Etawah						
Quarter	2018-19	2019-20	2020-21*	2021-22*	2022-23	% Variance
Jun	231	206	150	419	550	31.3%
Sept	204	191	246	454		
Dec	231	217	382	526		
Mar	214	221	453	497		
Total	880	835	1,231	1,896	550	

Kaithal Rj Border						
Quarter	2018-19	2019-20	2020-21*	2021-22*	2022-23	% Variance
Jun	166	240	156	-	394	-
Sept	189	228	253	-		
Dec	217	248	293	73		
Mar	224	239	1	368		
Total	795	954	702	441	394	

Hapur Moradabad						
Quarter	2018-19	2019-20	2020-21*	2021-22*	2022-23	% Variance
Jun	-	132	180	310	388	25.2%
Sept	-	294	322	351		
Dec	-	340	398	387		
Mar	-	312	370	358		
Total	-	1,077	1,271	1,406	388	

<sup>\*</sup> FY21 numbers reflecting impact of toll collection suspension due to Covid-19 across the country and FY 22 numbers are impacted due to resurgence of 2<sup>nd</sup> and 3<sup>rd</sup> wave of Covid-19 across the country

## **BOT Toll Revenue Comparative – Private InvIT Projects**



#### Amount in INR mn

	Solapur Yedeshi					
Quarter	2018-19	2019-20	2020-21*	2021-22*	2022-23	% Variance
Jun	174	181	90	167	308	84.6%
Sept	169	150	158	194		
Dec	168	160	220	220		
Mar	179	173	225	259		
Total	690	664	693	840	308	

Kishangarh Gulabpura						
Quarter	2018-19	2019-20	2020-21*	2021-22*	2022-23	% Variance
Jun	344	294	146	209	303	44.9%
Sept	342	279	248	261		
Dec	334	282	274	278		
Mar	323	261	268	302		
Total	1,342	1,116	936	1,051	303	

Karwar Kundapura						
Quarter	2018-19	2019-20	2020-21*	2021-22*	2022-23	% Variance
Jun	-	-	93	156	298	91.7%
Sept	-	-	156	197		
Dec	-	-	218	250		
Mar	-	92	232	249		
Total	-	92	698	852	298	

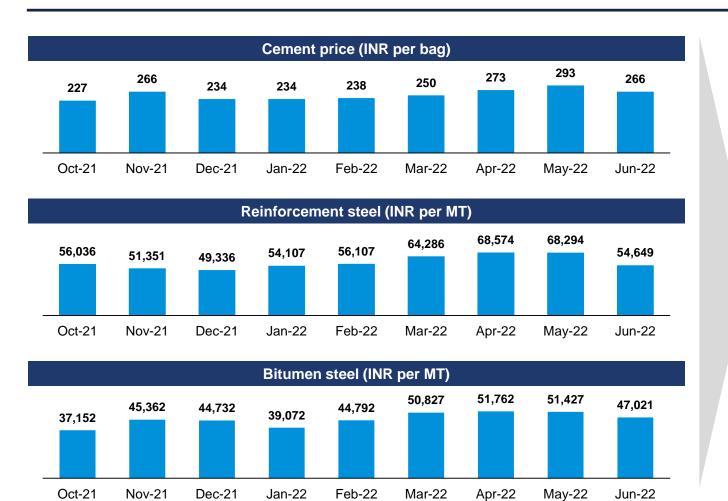
Palsit Dankuni #					
Quarter	2021-22*	2022-23	% Variance		
Jun		545	-		
Sept	-				
Dec	-				
Mar	-				
Total	-	545			

<sup>#</sup> Project commenced wef April 2, 2022

<sup>\*</sup> FY21 numbers reflecting impact of toll collection suspension due to Covid-19 across the country and FY 22 numbers are impacted due to resurgence of 2<sup>nd</sup> and 3<sup>rd</sup> wave of Covid-19 across the country

## IRB is Well Poised to Maintain Margins with Adequate Escalation Provisions for Raw Material Prices





- The 3 major materials used for road construction have witnessed a price rise of 20% to 25% on an average over the last six months (till March-2022)
- These materials constitute ~20% of the total Project cost
- Hence impact of these material on total project cost is c. 4 to 4.5%.

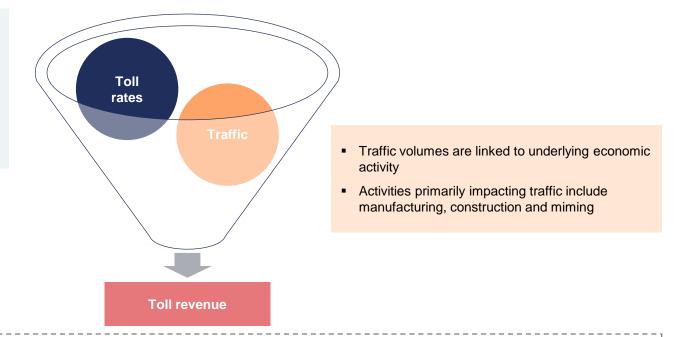
#### IRB's margins are protected against the escalation in raw material prices

- Sufficient escalation has been considered in IRB's estimated cost for BOT projects, to cover rise in material prices
- For HAM projects during the construction phase, the escalation to the extent 40% is provided by NHAI and balance 60% by sponsor / lender. During the operations period, sponsor receives the annuities from NHAI for the balance 60% adjusted for escalation with interest, thus making the escalation a complete pass through

# WPI<sup>1</sup> Linked Toll Rates Provide Protection to Toll Cash Flows in an Inflationary Environment with Increasing Interest Rates



- Toll rates are linked to inflation
- For NHAI projects that were bid for after 2008, toll rate is revised annually in April at 3% fixed rate, plus 40% of change in WPI for December
- Hike in toll rates for projects bid prior to 2008 is linked to March WPI
- For state projects the tariff revision is as per respective concession agreement



- Toll road projects are expected to benefit from the high WPI¹ based inflation as it will lead to an increase in toll rates
- In April 2022, toll rates were hiked by c. 10%
  - WPI inflation in December 2021 stood at 13.36% compared to 1.95% in December 2020
  - WPI inflation in June 2022 stood at 15.18% compared to 12.07% in June 2021. CPI<sup>2</sup> inflation in June 2022 stood at 7.01% compared to 6.26% in June 2021
- High growth in toll rats coupled with a 5% 6% traffic growth is expected to result in a 14% 15% growth in toll collections in FY23
- Healthy growth in toll collections is expected to outweigh the increase in maintenance cost, resulting in improvement in debt servicing capabilities

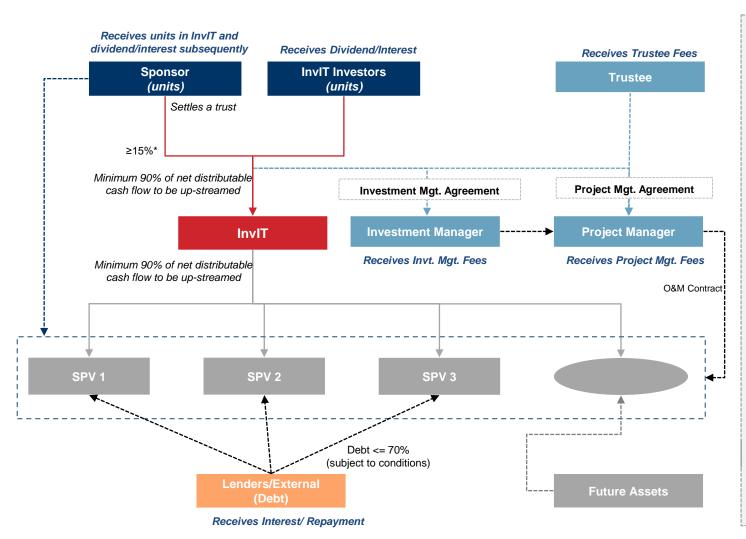
WPI linked toll rates, witnessing high growth in the current inflationary environment, provide a natural hedge against rising interest rates



## **Contractual & Holding Structure for an InvIT**



#### Similar to a yieldco structure: Creating a liquidity platform for current and future investors



**Step 1:** The sponsor settles a trust (yet to be registered as an InvIT) and simultaneously appoints an independent trustee.

**Step 2:** The trustee appoints an investment manager, to oversee and manage all the activities of the InvIT.

**Step 3:** Necessary purchase agreements are entered for transfer of eligible infrastructure projects by the sponsor to the InvIT

- In lieu of such transfer, units will be issued to the sponsor
- The projects can either be transferred directly to the InvIT, or to a holding company owned by the InvIT

**Step 4:** Thereafter, a project manager is appointed by the trustee for the InvIT

**Step 5**: The sponsor will then apply to the SEBI for registration of the trust.

 Once the registration is obtained, a preliminary placement memorandum (PPM) is to be submitted to the SEBI. SEBI's approval is required for finalizing the PPM in the case of listed InvITs only.

**Step 6:** Lastly, the final placement memorandum is issued by the InvIT to the investors, and funds are raised from these investors through an initial offer of units.

## InvIT is a 'Go-to' Asset Aggregation Model



Distribution oriented structure with transparent governance and tax efficient framework make InvIT an ideal asset aggregation platform for yield seeking financial investors

# InvITs provide highly attractive thesis for Financial investors.... Regular tax optimal distribution channel on a mandatory basis Well diversified portfolio vis-à-vis one asset exposure Robust governance framework Access to professional & skilled management team to manage operational risk Possibility of scaling up through brownfield acquisitions

Resident Investor	Interest / Dividend	Non-Resident Investor
	InvIT	Interest / Dividend

**Taxation on distribution** 

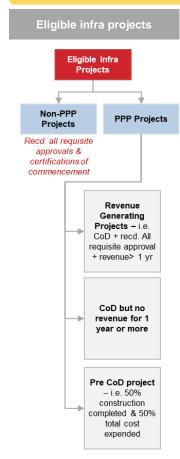
as well as Asset Developers				
Deconsolidate & Deleverage Balance Sheet				
Efficient recycling of capital through monetization of assets through a tax optimal roll-over structure				
Access to low cost equity funding to take out high cost loans of existing projects				
Significantly lower cost of borrowing at the InvIT level to further enhance returns				

Particulars	Interest	Dividend
WHT on dist. from SPV to InvIT	Nil	Nil
Tax at InvIT level	Nil	Nil (refund of WHT to be claimed)
WHT & Final tax on dist. from InvIT to R	WHT – 10% Final tax – Slab rates	WHT – Nil (if SPV opted for old tax regime); @ 10% (if new regime)  Final tax – Nil (if SPV opted for old tax regime; @ slab rates (if new regime)
WHT & Final tax on dist. From InvIT to NR	WHT – 5% Final tax – 5%	WHT – Nil (if SPV opted for old tax regime); @ 10% (if new regime)  Final tax – Nil (if SPV opted for old tax regime; @ 20% / treaty rates (if new regime)

## **Comparative Analysis of Different Categories of InvITs**



#### With similar tax benefits extended to private InvITs coupled with fewer restrictions on use of un-invested funds, private InvITs are more attractive



Note – There exists some ambiguity on categorization of certain RE projects put on tender by SECI into PPP or Non-PPP – hence, advisable to check from subject matter experts

Fund Raising Method	Publically offered listed InvITs	Privately placed listed InvITs	Privately placed unlisted InvITs
Listing	Mandatory listing	Mandatory listing	Unlisted
Asset size	INR 5,000 mn	INR 5,000 mn	INR 5,000 mn
Minimum offer issue size	INR 2,500 mn	INR 2,500 mn	INR 2,500 mn
Minimum no. of investors	20 (other than sponsor & its related party)	5 (other than sponsor & its related party)	5 (other than sponsor & its related party)
Maximum no. of investors	NA	1,000	20
Minimum subscription	1 lakh per investor and 90% of the overall issue size	INR 10 mn per investor  (INR 250 mn if ≥ 80 InvIT assets in completed and revenue generating assets)	INR 10 mn per investor
Trading lot size	1 Unit	INR 10 mn (INR 20 mn in certain cases)	NA
Timeline for listing	Within 12 days from IPO	Within 30 days from date of allotment	-
Dividend Distribution	At least once in every 6 months	At least once in every 12 months	At least once in every 12 months
Univested Funds	<ul> <li>May be invested in:</li> <li>U/c infra projects (≤ 10% of value of InvIT assets)</li> <li>Listed or unlisted debt of infra companies / equity shares of listed infra companies</li> <li>Governmentsecurities</li> <li>Money market instruments /liquid MFs</li> </ul>	Minimum 80% of the value of the InvIT Assets shall be invested in eligible infrastructure projects	Minimum 80% of the value of the InvIT Assets shall be invested in eligible infrastructure projects
Leverage	Borrowing > 25% to 49% - credit rating and Above 49% upto 70% - other conditions to	No limit / restriction on undertaking borrowings	
Tax Benefits	Identical on roll-over and distribution		

#### **Disclaimer**



Except for the historical information contained herein, statements in this presentation and any subsequent discussions, which include words or phrases such as 'will', 'aim', 'will likely result', 'would', 'believe', 'may', 'expect', 'will continue', 'anticipate', estimate', 'intend', 'plan', 'contemplate', 'seek to', 'future', 'objective', 'goal', 'likely', 'project', 'on-course', 'should', 'potential', 'pipeline', 'guidance', 'will pursue' 'trend line' and similar expressions or variations of such expressions may constitute 'forward-looking statements'.

The forward-looking statements involve a number of risks, uncertainties and other factors that could cause actual results to differ materially from those suggested by the forward-looking statements.

These risks and uncertainties include but are not limited to the IRB Infrastructure Developers Limited's ability to successfully implement its strategy, its growth and expansion plans, obtain regulatory approvals, provisioning policies, technological changes, investment and business income, cash flow projections, exposure to market risks as well as other risks. In addition, the consummation of the transactions described herein is subject to various conditions precedent.

IRB Infrastructure Developers Limited does not undertake any obligation to update forward-looking statements to reflect events or circumstances after the date thereof.

These materials are not a prospectus, a statement in lieu of a prospectus, an offering circular, an invitation or an advertisement or an offer document under the Indian Companies Act, 2013 together with the rules and regulations made thereunder, the Securities and Exchange Board of India (Issue of Capitan and Disclosure Requirements) Regulations, 2009, as amended, or any other applicable law in India.



## **THANK YOU**