

INFRASTRUCTURE SECTOR

Agar India ko 2025 tak US\$ 5 trillion economy banana hai toh infra development sabse bada enabler hoga.

Issued On : 09/09/2025

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Infrastructure aur Economy ka Connection

Infrastructure ek base foundation hai jiske upar pura economy grow karta hai. Agar India ko US\$ 26 trillion economy banana hai, toh roads, ports, power supply, digital connectivity aur housing sab kuch world-class hona chahiye. Ye directly ease of doing business ko improve karta hai, matlab companies apna kaam fast aur cheap kar paati hain → productivity aur efficiency dono badhte hain. PM Modi bhi baar-baar bolte hain ki infrastructure bina governance aur development sustainable nahi ho sakta.

Major Government Initiatives

1. Gati Shakti (US\$ 1.3 trillion master plan)

- Ye ek integrated approach hai jisme roads, railways, ports, airports, logistics hubs sab ko connect karke systemic reforms laaye ja rahe hain.
- Already kaafi headway (progress) ho chuki hai.

2. Smart Cities Mission & Housing for All

Urban living improve karne ke liye housing, sanitation, digital infra build kiya ja raha hai.

3. Saudi Arabia ka investment plan (~US\$ 100 billion)

Energy, petrochemicals, infra, agriculture aur mining me invest karna chahte hain. Ye FDI (foreign direct investment) kaafi bada boost hoga.

Infrastructure ka Role Manufacturing & Exports me

- Agar freight aur logistics infra strong ho gaya → goods movement cheap aur fast hoga.
- Exporters ko fayda milega → India ki global competitiveness badegi.

National Infrastructure Pipeline (NIP) + Make in India + PLI

- Government ne pipeline of projects banayi hai (transport, electricity, water, irrigation, housing).
- Historically, 80% infra spend transportation, electricity aur irrigation me gaya hai.
- Ab focus diversify ho raha hai → digital infra, green energy, urban services (water, sanitation, housing).

Big Picture

Infrastructure = growth catalyst (side sectors like housing, construction, townships bhi grow karte hain).

Agar infra upgrade hua toh :

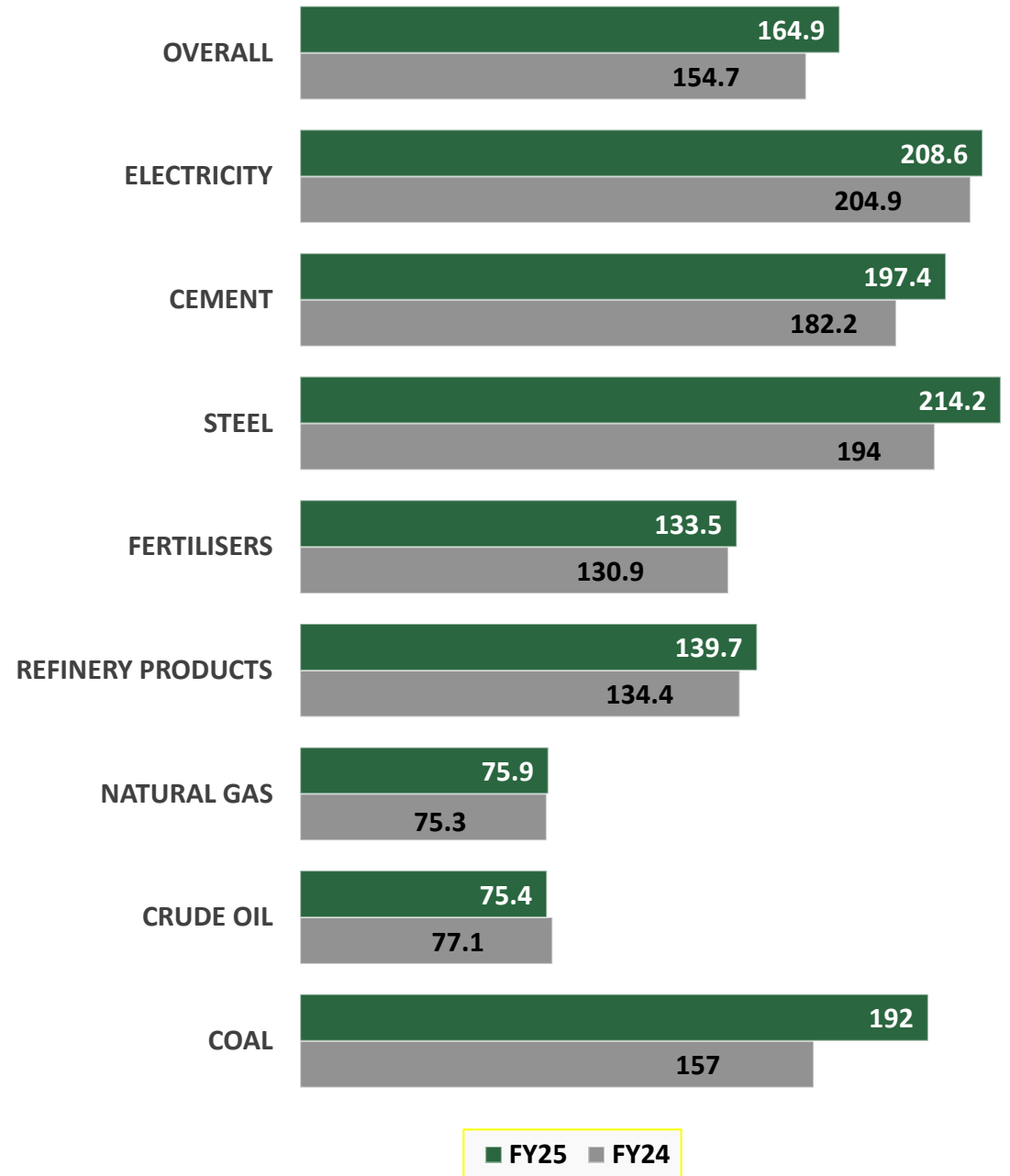
- Economy grow hogi
- Employment create hoga
- Quality of life improve hogi
- India ki sectoral competitiveness (global market me position) strong hogi

National Infrastructure Pipeline (NIP)

- Start me 6,835 projects the, ab badh ke 9,142 projects ho gaye hain (34 sub-sectors cover kar rahe hain).
- Isme se 2,476 projects development phase me hain → estimated investment ~ US\$ 1.9 trillion.
- Transport sector sabse bada hissa hai → half projects isi me.
- Sirf roads & bridges me hi 3,906 projects hain.

Index Of Eight Core Industries

Source : Ministry Of Commerce And Industry
Note : Previsional (April-March 2025)



Infrastructure Projects - Sector Wise Summary Report

Public Private Partnership in India : Sector wise Summary Report

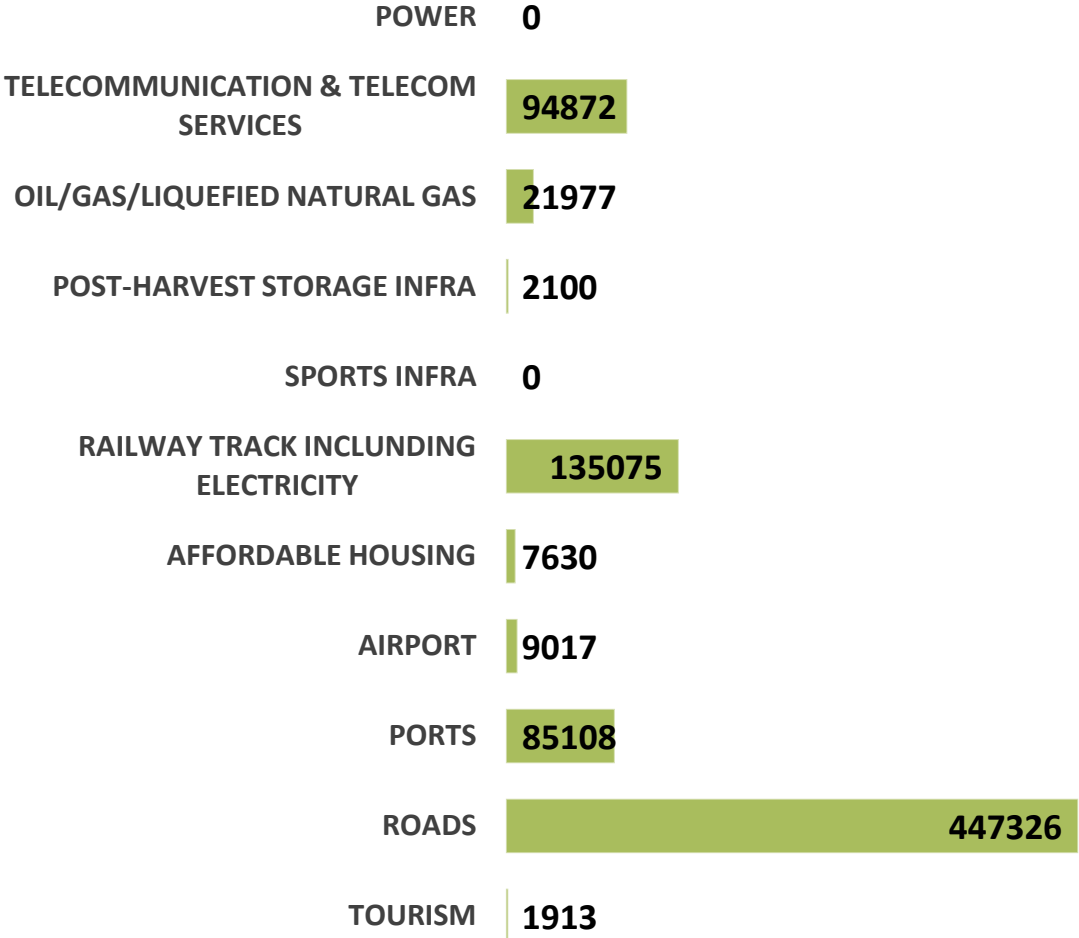
Sr No.	Sector	Number of Projects	Total Project Cost (In Rs. Crore)
1	Airports	74	57767
2	City gas distribution	3	432
3	Cold Chain	12	3459
4	Common infrastructure for industrial parks, SEZ	187	80903
5	Education	37	469
6	Electricity Distribution	16	28757
7	Electricity generation (grid)	371	1630471
8	Electricity transmission	1378	432594
9	Gas pipelines	54	105225
10	Health Care	14	1413
11	Inland waterways	8	5168
12	Irrigation (dams, channels, embankments, etc.)	616	585985
13	Oil pipelines	41	21681
14	Oil/ Gas/ LNG Storage	42	45654
15	Ports (excluding captive)	152	161128
16	Post-harvest storage infrastructure for agriculture and horticulture produce including cold storage	20	650
17	Railway track, tunnel, viaducts, bridges	568	512622
18	Renewable energy (grid)	1606	825530
19	Roads and bridges	2872	958509
20	Sewage collection, treatment and disposal system	274	44675
21	Solid waste management	74	8739
22	Storm water drainage system	69	9241
23	Telecommunication Network and Services	60	875935
24	Telecommunication towers	2	26182
25	Tourism	53	7088
26	Urban public transport (except rolling stock)	116	250382
27	Water supply pipeline	478	125082
28	Water treatment plants	45	7268

Source : Department of Economic Affairs

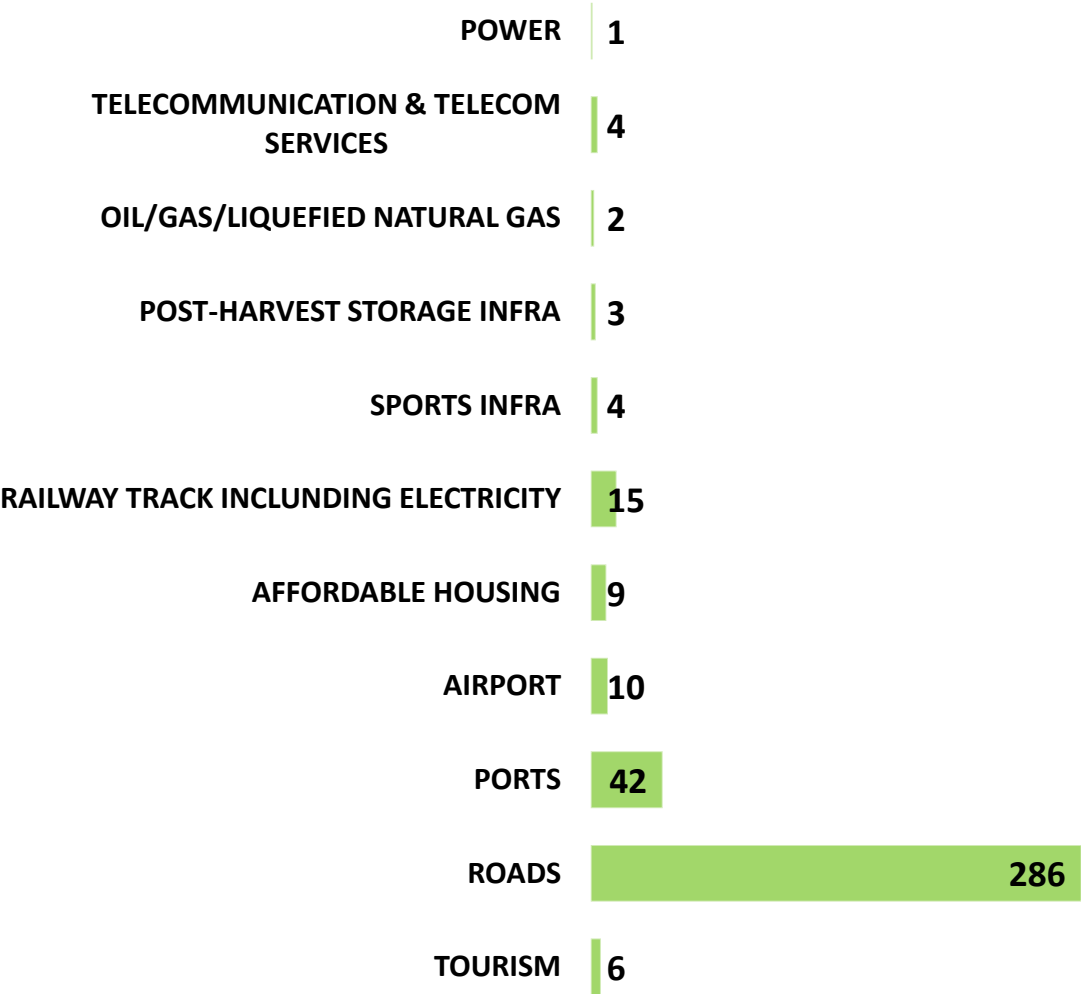
Public Private Partnership Appraisal Committee Appraised Projects

Total Project Cost (IN RS. CRORE) : 8,13,994.57

COST



PROJECT



Viability Gap Funding Scheme Projects (Final Approved)

Total Project Cost (IN RS. CRORE) : 46,157.27

Water 1

Power 3

Post-Harvest Storage Infra 8

Hospital (Capital Stock) 4

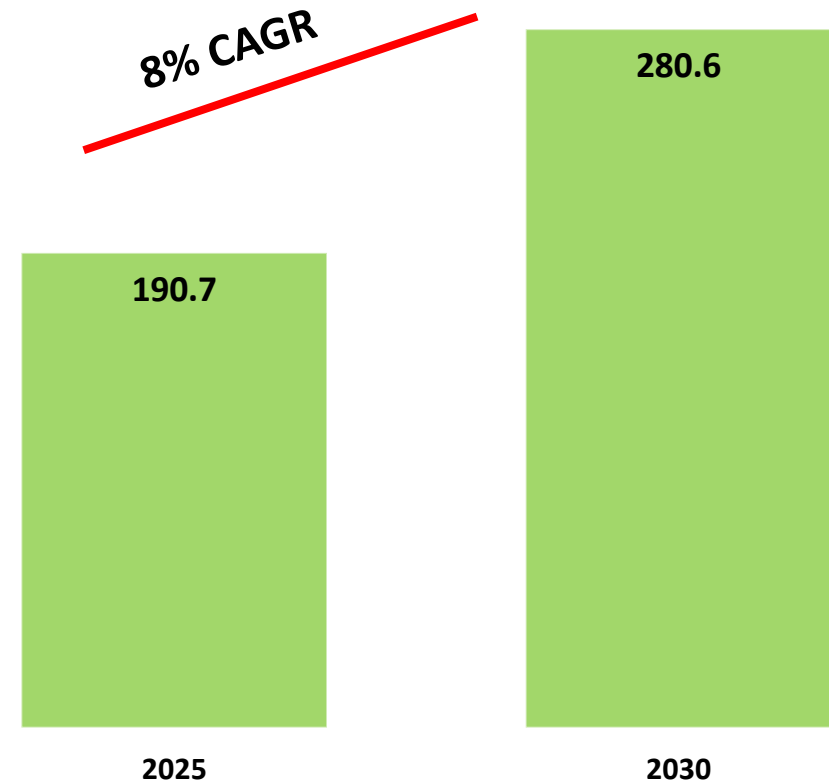
Ports 1

Road 52

Market Overview

- India ka target hai 2025 tak \$5 trillion economy banana hai. Infrastructure aur real estate sector me heavy demand aa rahi hai. Cushman & Wakefield report kehta hai ki Q2 2024 me real estate investments \$2.77 billion tak pohonch gaye. Cement ki demand bhi 7–8% CAGR se grow karegi FY25E–27E tak, kyunki infra aur housing dono boom pe hai.
- Union Budget 2025-26 me capital investment Rs. 11.21 lakh crore (GDP ka 3.1%) allocate hua. Adani Group ne bhi Rs. 30,237 crore (\$3.46 bn) Kerala me invest karne ka plan banaya agle 5 saalon me focus hoga infra, logistics aur manufacturing pe.
- Union Budget me states ko 50-year interest-free loan continue kiya gaya hai, taaki wo capital expenditure karein. Iska outlay bhi Rs. 1.5 lakh crore (\$17.3 bn) tak enhance kiya gaya. Private sector ko ab PM Gati Shakti portal se relevant data aur maps ka access milega project planning aur efficient ho jayegi.
- Finance Minister ne announce kiya ki 120 naye airports agle 10 saal me connect honge – jisse 4 crore extra passengers travel kar paayenge. Government ne 56 naye Watershed Development Projects bhi approve kiye hain across 10 states, with Rs. 700 crore (\$80.9 mn) budget – iska fayda agriculture productivity aur rural infra ko milega.

India Infrastructure Sector Market Market Size in USD Billion

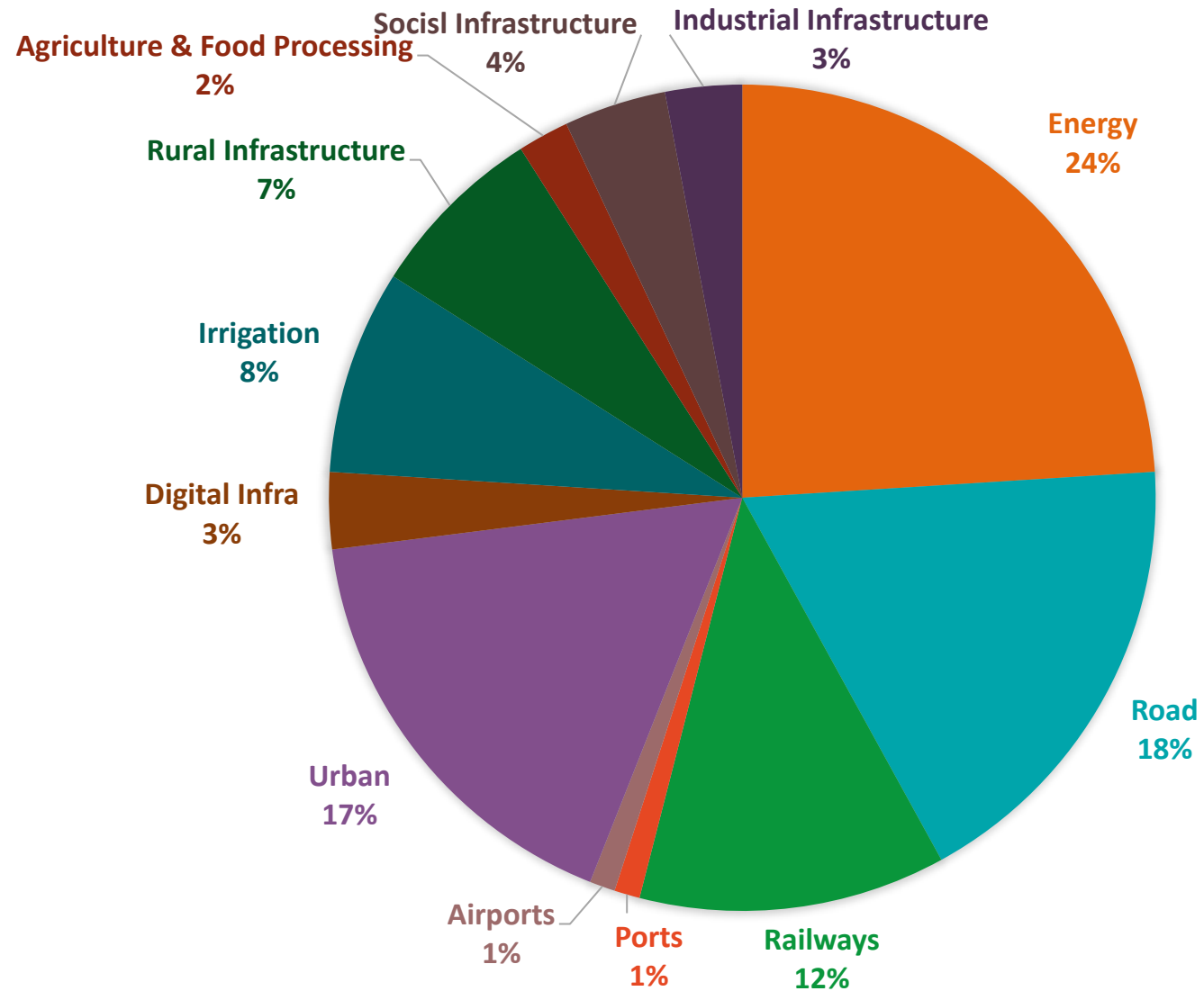


Top 25 Countries By Infrastructure Market Share in CY2022

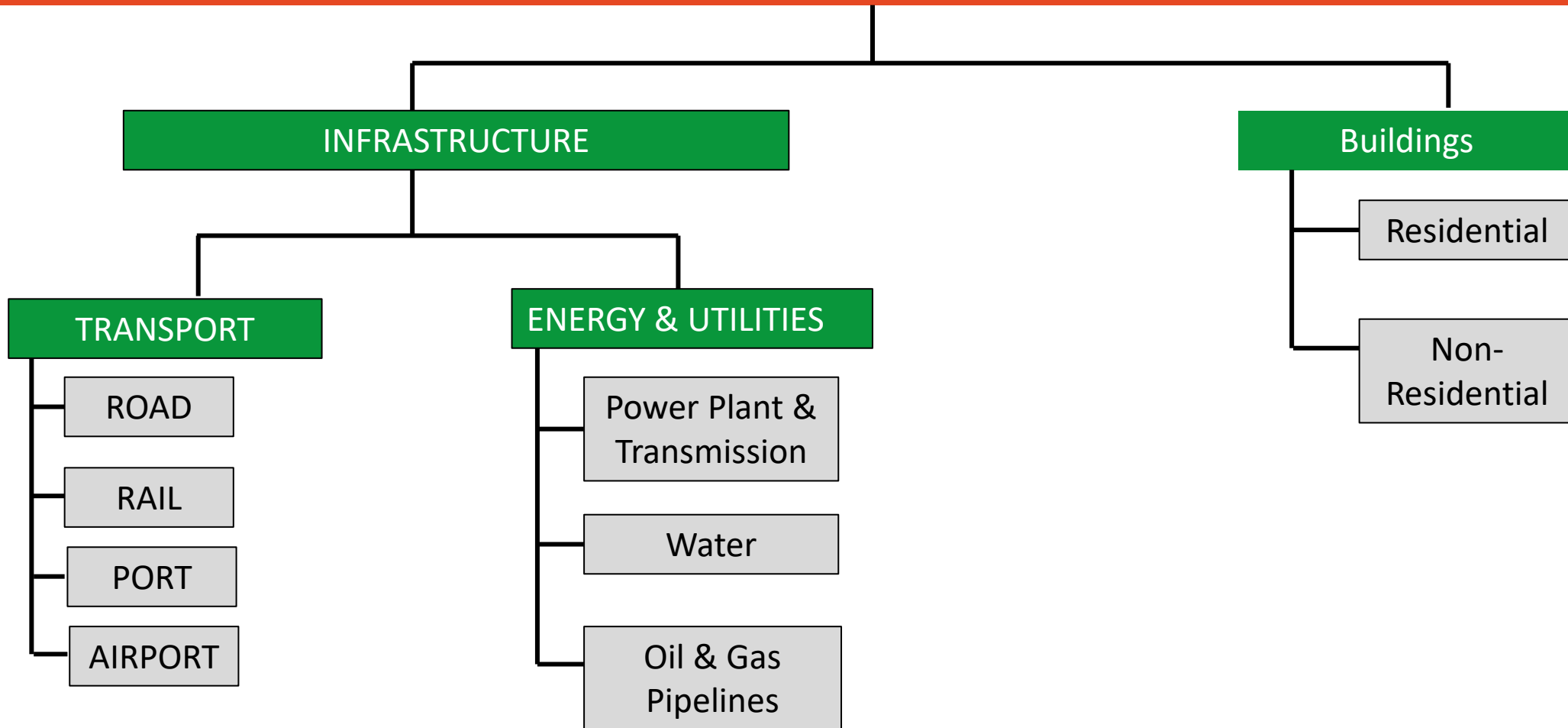
Country	Market Share
China (Mainland)	22.40%
United States	18.20%
Taiwan, China	4.70%
India	4.60%
Japan	4.10%
Germany	4.00%
United Kingdom	3.20%
Canada	2.80%
France	2.50%
Indonesia	2.30%
Australia	2.00%
Mexico	1.90%
Russia	1.70%
Italy	1.70%
South Korea	1.60%
Spain	1.20%
Brazil	1.00%
Saudi Arabia	0.90%
Nigeria	0.80%
Turkiye	0.80%
Netherlands	0.80%
Poland	0.70%
Bangladesh	0.70%
Switzerland	0.70%
United Arab Emirates	0.60%
Others	14.20%

Source : Fitch Solution

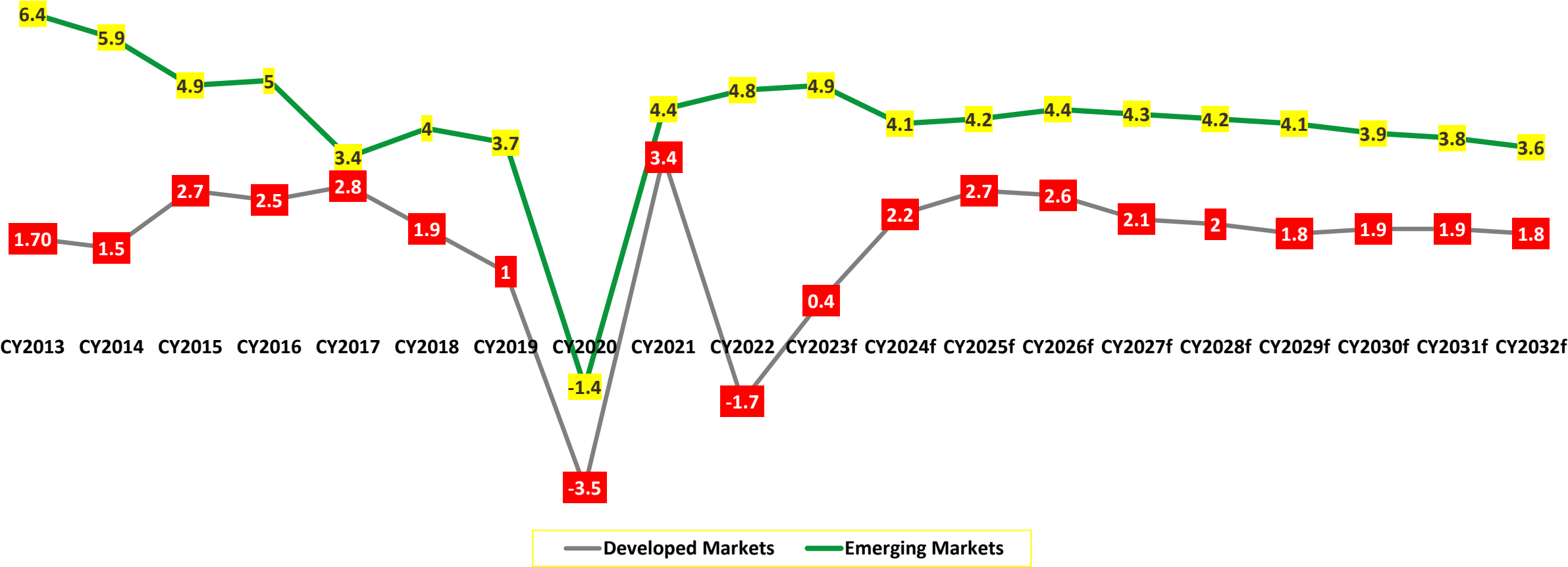
Sector Wise Break-Up of Capital Expenditure Of Rs.111 Trillion During Fiscal FY20 – FY25



Overview Of Construction Segment

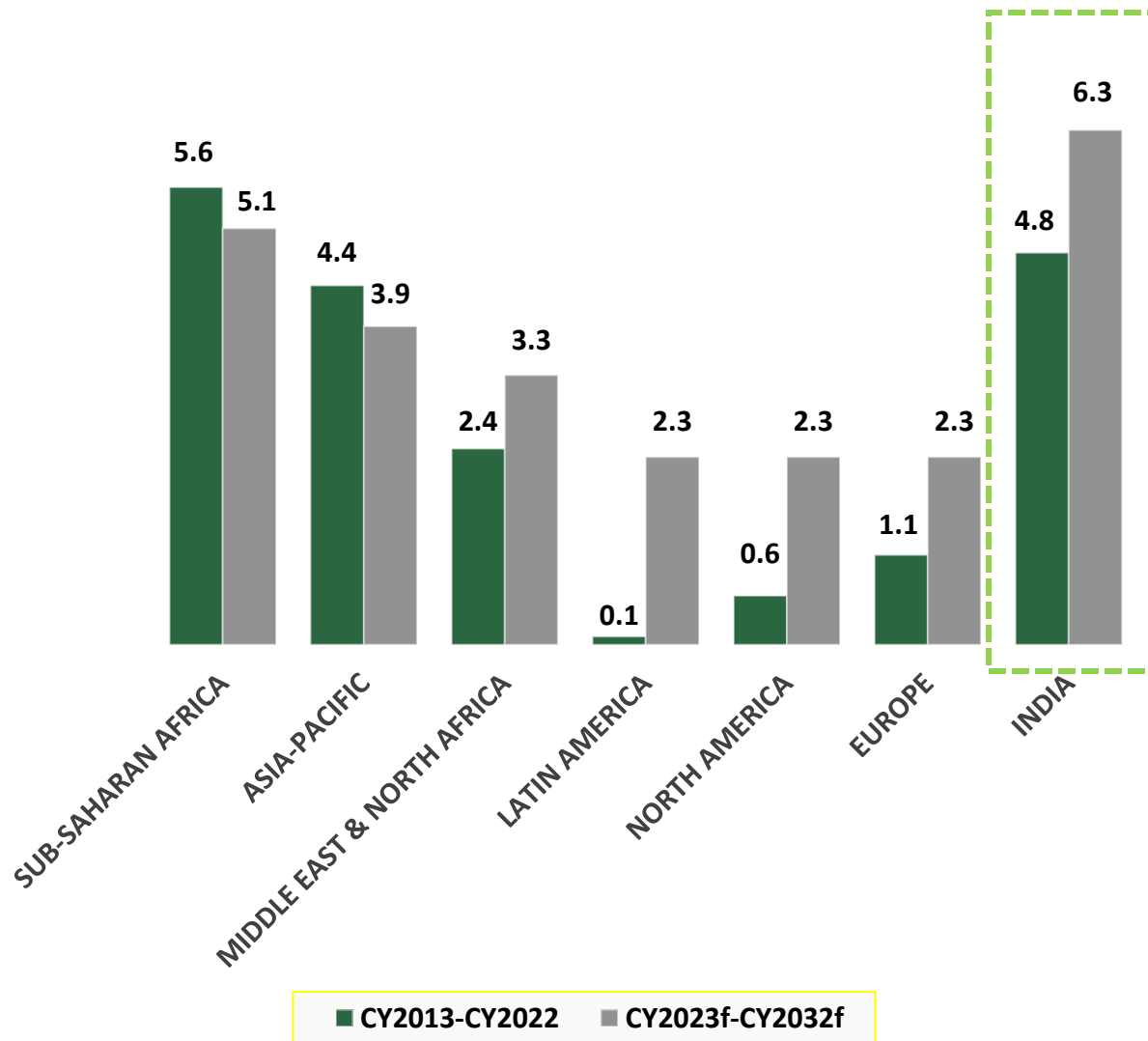


Construction Industry Real Growth (% Change Y-O-Y)



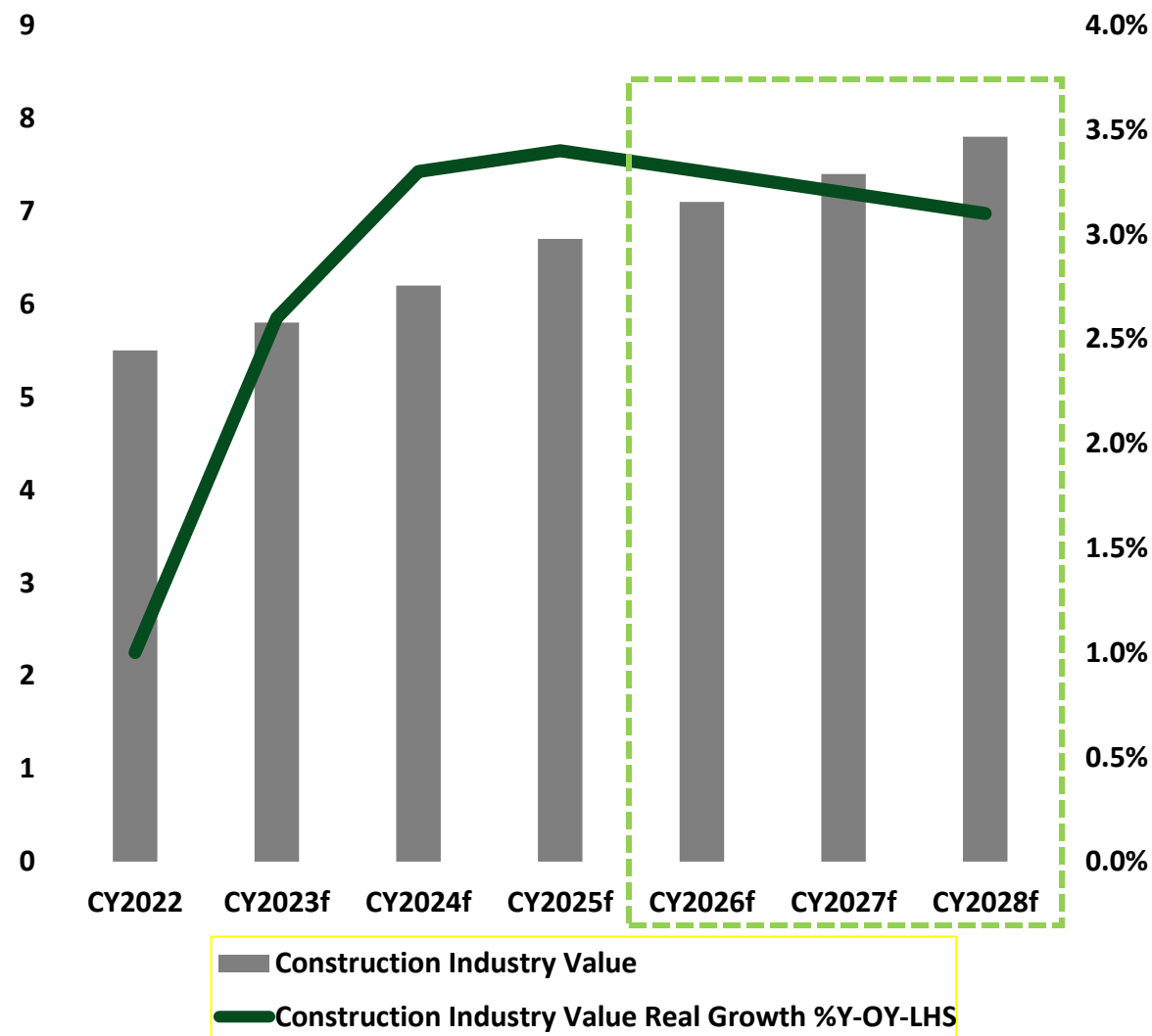
Source : f=Fitch Solutions forecast; National sources, Fitch Solutions

Average Annual Construction Industry Real Growth (%) By Region and Period



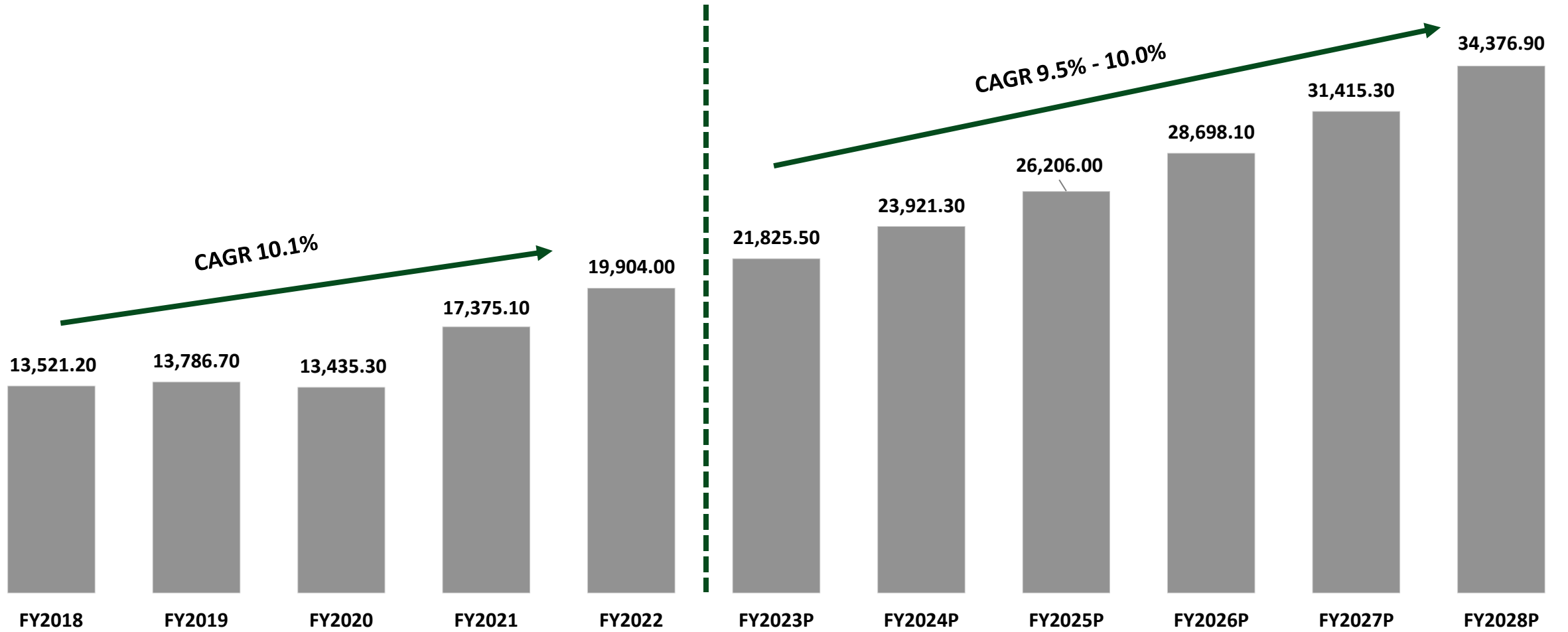
Source : f=Fitch Solutions forecast; National sources, Fitch Solutions

Global – Construction Industry Value (USD Trillion) And Real Growth Forecast



Source : f=Fitch Solutions forecast; National sources, Fitch Solutions

India's Construction Industry Size (INR BILLION)

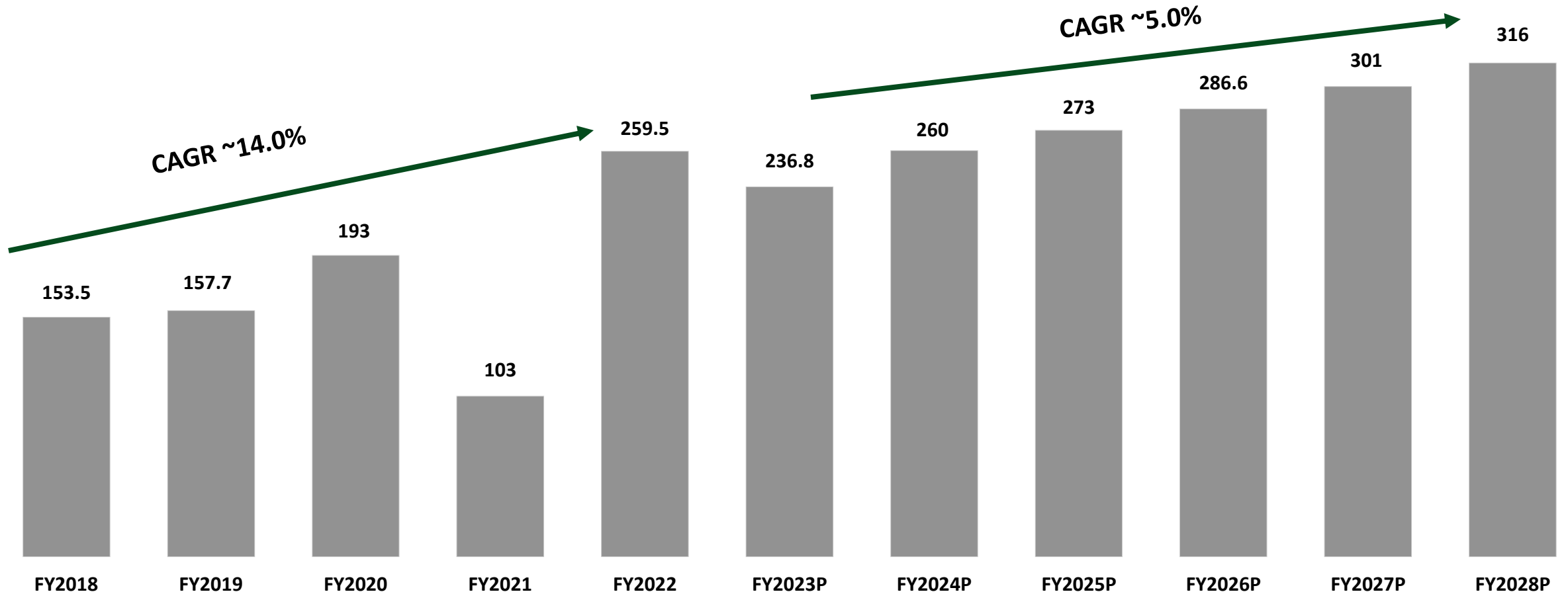


Projection of Capital Outlay of Core Infra Ministries in India (INR Billion) FY2024 to 2028

Segments	Name of the Ministry	FY2024BE	FY2025P	FY2026P	FY2027P	FY2028P	CAGR% (2024-2028)
Roads	Ministry of Road Transport & Highways	2586.1	2741.2	2905.7	3080.0	3264.8	6.0%
Railways	Ministry of Railways	2400.0	2544.0	2696.6	2858.4	3029.9	6.0%
Urban Infra	Ministry of Housing & Urban Affairs	260.0	273.0	286.6	301.0	316.0	5.0%
Ports	Ministry of Ports, Shipping & Waterways	10.7	11.2	11.7	12.2	12.7	4.5%
Power	Ministry of Power	0.2	0.2	0.2	0.2	0.2	5.0%
Irrigation	Ministry of Jal Shakti-Department of Water Resources, River Development & Ganga	3.6	3.7	3.9	4.1	4.2	4.0%
Oil & Gas	Ministry of petroleum & Natural Gas	355.1	369.3	384.1	399.4	415.4	4.0%
Metals & Minig	Ministry of Mines	0.8	0.8	0.8	0.9	0.9	4.2%

Capital Outlay For Urban Infrastructure In India (FY2018 – FY2028P)

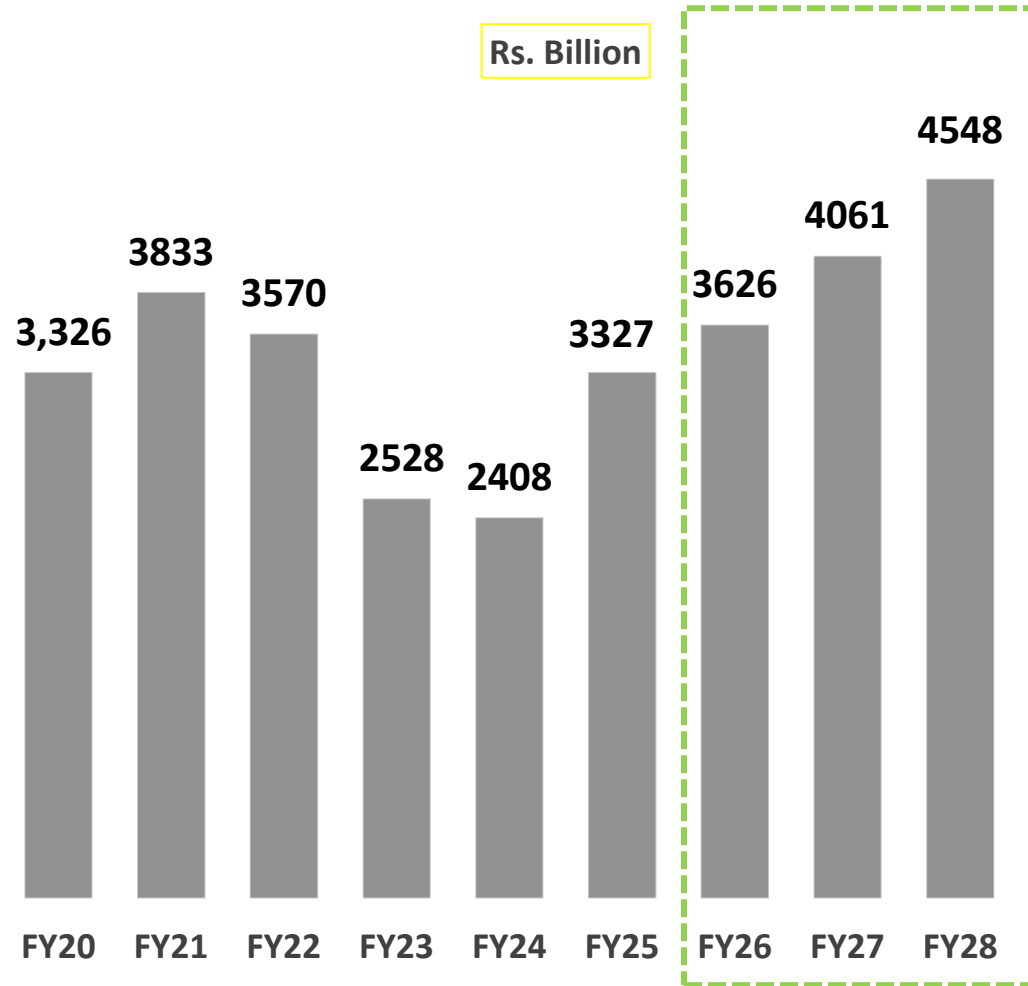
Capital Outlay & Future Outlook For The MoHUA (INR Billion)



Source : Union Budget Documents, FSIAPL Analysis

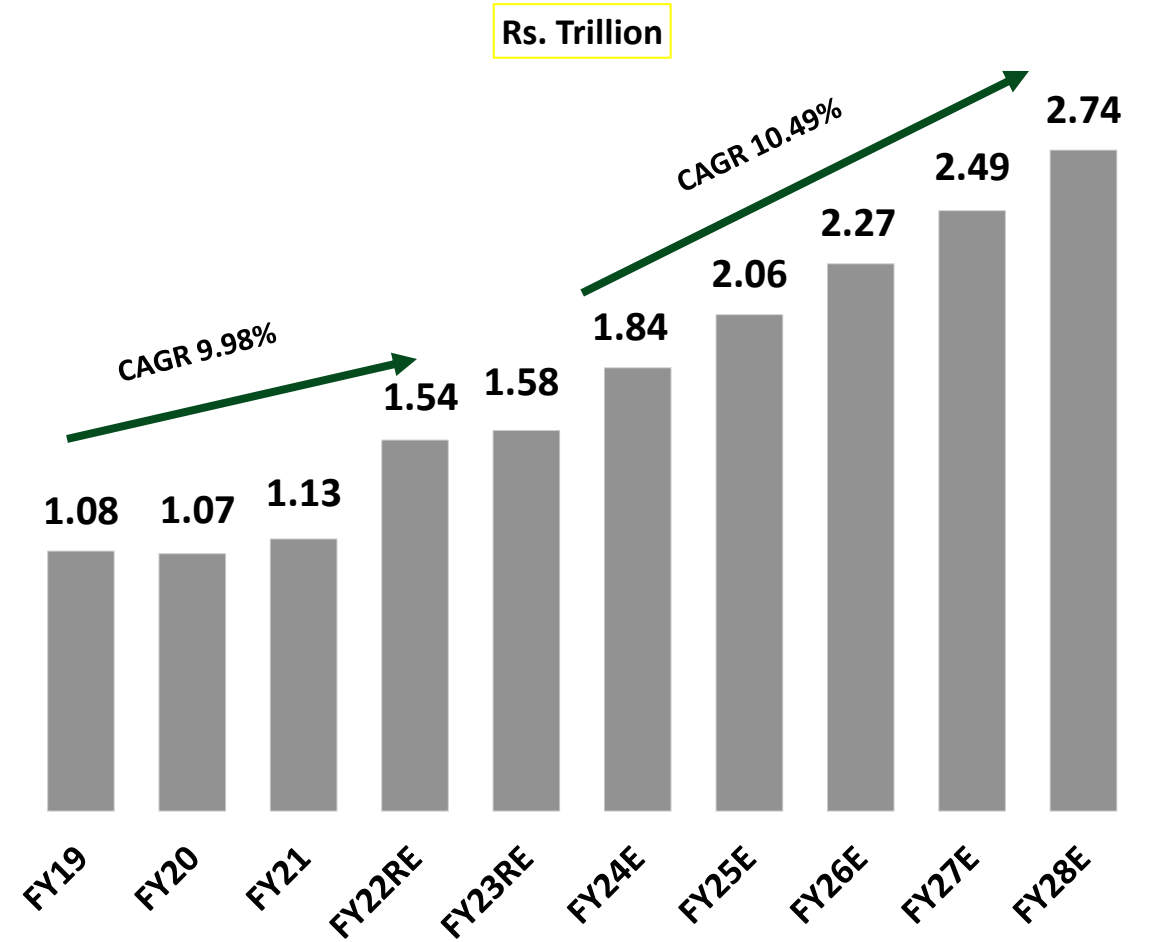
Note: Ministry of Housing & Urban Affairs (MoHUA); A- Actuals, RE – Revised Estimates, BE – Budgeted Estimates, P - Projected

Investments in Roads Sector



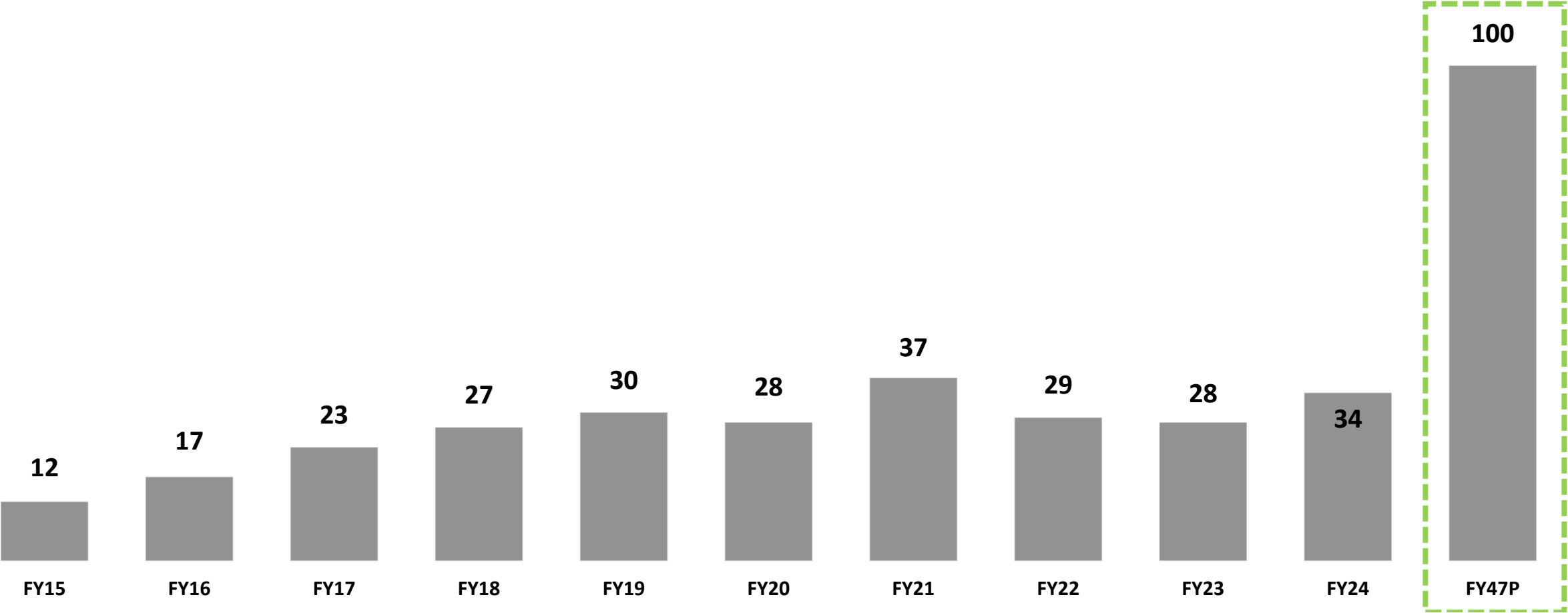
Source : Niti Aayog Report on National Infrastructure Pipeline, CaewEdge Research

Total Capex In State Road (FY19-FY23) & Projected Investments (FY24-FY28)



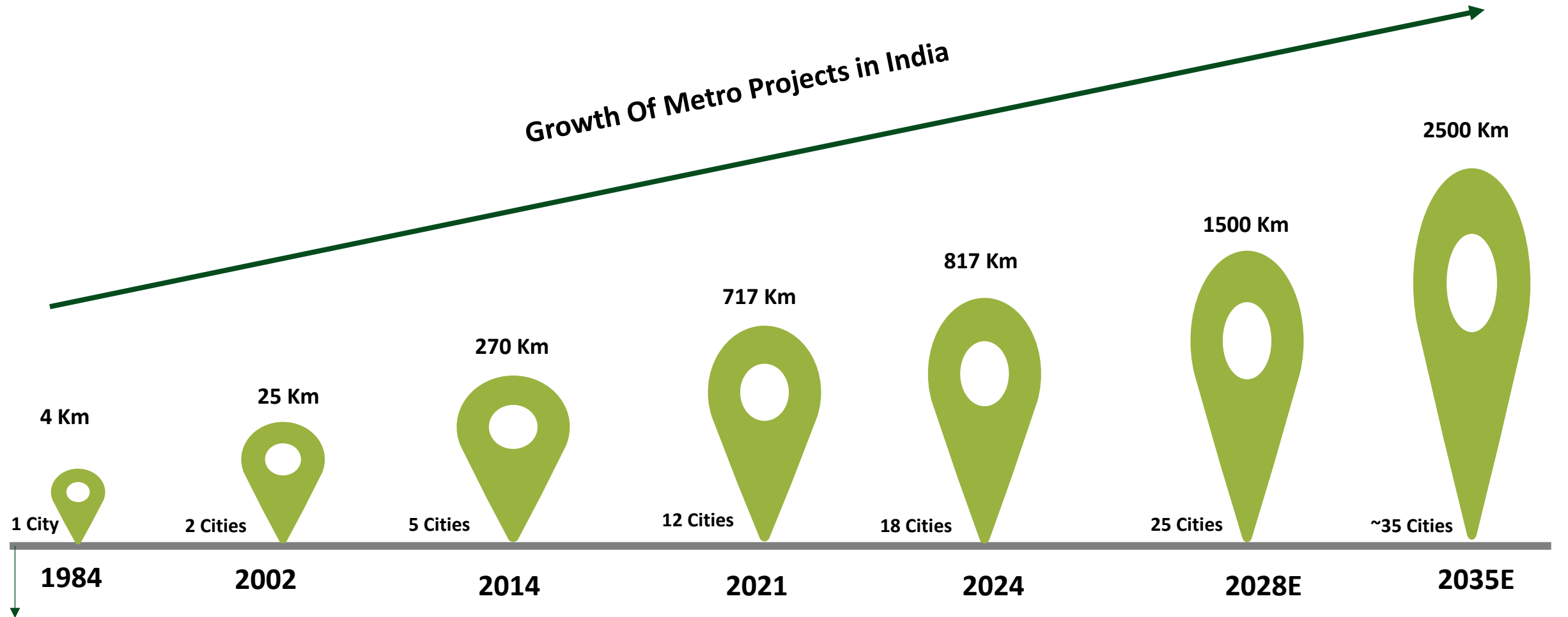
Source : PMGSY, MORTH, CareEdge Research

Road Construction Per Day (Kms)



Source : IBEF

Growth Of Metro In India



First metro service started in Kolkata –a small section of 3.4Km underground metro network; 12 years to construct

Indian Railways

- FY24 Revenue: US\$ 28.89 bn (₹2.40 lakh cr) → pichle saal se zyada (US\$ 26.84 bn).
- Freight movement (Nov 2024 tak): 1,038 million tonnes, ~2.1% growth YoY.

Matlab Railways ka freight aur passenger dono business steadily grow kar raha hai.

Logistics Market

- 2024 me size: US\$ 317.26 bn
- 2029 tak: US\$ 484.43 bn (CAGR ~8.8%)
- India ki World Bank Logistics Performance Index ranking: 44 (2018) → 38 (2023).
- Target: Top 25 tak lana aur logistics cost 14% GDP se ghatake 8% karna (40% reduction).

Real Estate (Residential)

- 2025 me size: ₹2,439,381 cr (US\$ 283.55 bn)
- 2030 tak: ₹73,76,212 cr (US\$ 857.4 bn)
- CAGR: ~24.8%
- Demand kaafi tezi se badh rahi hai, specially tier-2 aur tier-3 cities me.

Airports

- AAI + airport developers ne ₹98,000 cr (US\$ 11.8 bn) invest karne ka plan banaya (next 5 years).
- Focus: terminals expand karna, naye terminals banana, aur runways upgrade karna.

Metro & Monorail

- India ka metro network 810 km (20 cities) → 3rd largest hone wala hai (Japan, Korea ko beat karega).
- Last 10 saal me 697 km add hua.
- 2024 tak: 945 km operational (21 cities) + 919 km under construction (26 cities).
- Mumbai Monorail (~20 km) duniya me 3rd largest (China 98 km, Japan 28 km).

Infra CAPEX Growth

- 2021–26 me infra capex CAGR: 11.4% (mainly transport, water, urban infra).
- GDP me infra contribution:
 - 10th Plan: ~5%
 - 11th Plan: ~9%
 - 12th Plan me US\$ 1 trillion infra investment ka target tha, jisme 40% private sector se aana tha.

Some of the recent government initiatives and investments in the infrastructure sector are as follows:

Under Union Budget 2025-26:

1. Overall Infrastructure Push

- Total capex outlay: ₹11.21 lakh crore (US\$ 128.64 bn) = 3.1% of GDP → ye record hai aur clear signal hai ki govt growth ko infra-led rakhna chahti hai.
- Private sector ko bhi PM Gati Shakti portal ka data & maps access milega project planning ke liye → transparency aur execution speed badhegi.

2. Railways

- Record allocation: ₹2.65 lakh crore (US\$ 31.43 bn).
- Focus: modernization, electrification, new tracks, stations upgradation.

3. Roads & Highways

- Allocation: ₹2.87 lakh crore (US\$ 32.94 bn).
- Target: ₹35,000 crore private investment attract karna.
- PPP (Public Private Partnership) aur asset monetization ka zyada use hoga.

4. Airports

- Next 10 years: 120 new airports connect karna → 4 crore extra passengers ko benefit.
- Capital outlay ~ ₹98,000 cr (US\$ 11.8 bn) already planned.

5. Energy & Renewables

Natural gas share 6.7% → 15% by 2030 ka target.

Solar allocation: ₹24,224 cr (US\$ 2.78 bn)

₹1,500 cr → grid solar

₹2,600 cr → KUSUM scheme (farmers ke liye solar pumps)

₹20,000 cr → PM Surya Ghar Muft Bijli Yojana (free solar rooftop electricity).

6. Telecom & IT

- Allocation: ₹81,005 cr (US\$ 9.27 bn).
- Digital infra boost hoga → 5G/6G rollout aur BharatNet expansion ko support.

7. Urban Development & Housing

- Ministry of Housing & Urban Affairs: ₹96,777 cr (US\$ 11.07 bn) (+18%).
- Focus: affordable housing, smart cities, street vendor support.

8. Power Sector

- Allocation: ₹21,847 cr (US\$ 2.51 bn).
- Transmission infra, green energy transition aur electrification projects ke liye.

Some of the recent government initiatives and investments in the infrastructure sector are as follows:

Under Union Budget 2025-26:

9. North-East Development (DoNER Ministry)

- Allocation: ₹5,915 cr.
- PM-DeVINE: ₹2,296.96 cr
- NESIDS: ₹2,481 cr
- Past 3 years + FY25 me 90 projects worth ₹3,417.68 cr sanction hue.

Special Package:

- ₹50 cr each → Bodoland Territorial Council & Karbi Anglong Autonomous Council
- ₹100 cr → Dima Hasao Autonomous Council

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10. Watershed & Agriculture Infra

56 new Watershed Development Projects approved in 10 states → ₹700 cr (US\$ 80.9 mn).

PM Kisan SAMPADA Yojana (PMKSY):

- Modern food processing infra create karna,
- Agri wastage kam karna,
- Farmers' returns improve karna,
- Rural jobs generate karna.