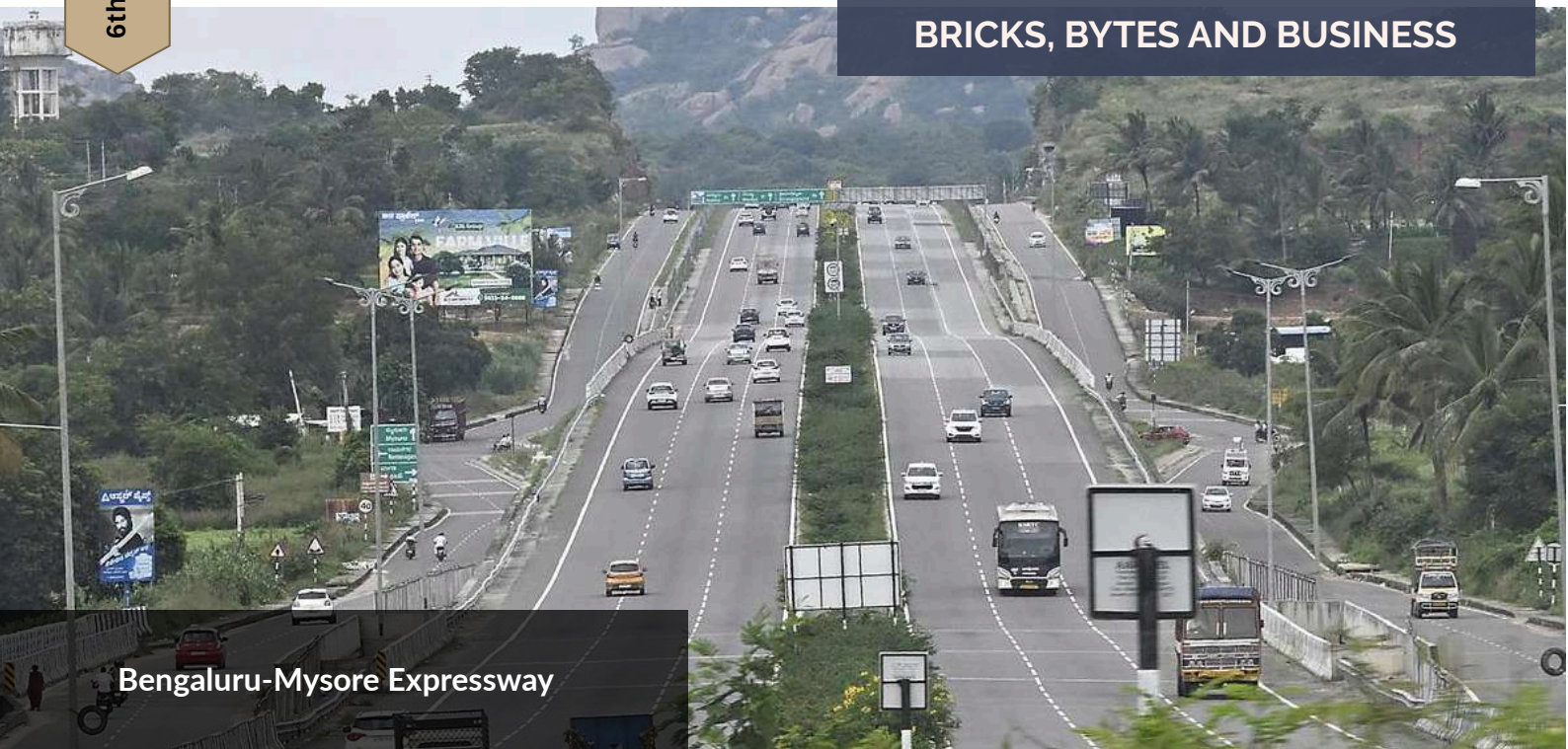


INFRAINSIGHTS

BRICKS, BYTES AND BUSINESS



Bengaluru-Mysore Expressway

INFRABytes

Mumbai local trains to get fully AC 12-18 car rakes

Mumbai's suburban railways will modernise with fully air-conditioned Vande Metro trains in 12, 15, and 18-coach rakes. A ₹21,000 crore plan covers 2,856 coaches, 35-year maintenance, depots, automatic doors, charging points, infotainment, and higher speeds.

₹ 1,734 Cr ropeway project in

Himachal's Shimla gets state nod

Final approval has been granted for a ₹1,734.70 crore ropeway project in Shimla. Spanning 13.79 km with three lines, fourteen sections and thirteen stations, it will connect Secretariat, schools, hospitals, the railway and bus stand, completing within four years. The ropeway will feature three lines with 13 stations.

₹553 Cr World Bank sewerage project begins in Vizag

A ₹553 crore World Bank-backed underground sewerage project has begun in Vizag's Madhurawada, covering 52 square km and benefiting 2.5 lakh people. It aims to improve sanitation, prevent pollution, and support sustainable urban infrastructure with advanced treatment facilities.

India launches \$125B plan to add 17,000 km of high-speed roads

India has unveiled a \$125 billion plan to expand its high-speed road network by 17,000 km by 2030, focusing on expressways and greenfield corridors. The project aims to boost connectivity, reduce logistics costs, and support economic growth while ensuring sustainability, safety, and integration with ports, airports, and industrial hubs.



Ceiba Energy closes sale of Jandaia Power Plant to Eneva

Ceiba Energy sold its 2.4-GW Jandaia LNG-to-power project to Eneva, reinforcing Brazil's capacity market. Under Denham Sustainable Infrastructure, Ceiba delivered key milestones including winning Brazil's 2021 capacity auction and selling a Portocem contract. Project targets reliable, clean power amid growing electricity demands. The sale to Eneva further strengthens the strategic development of Brazil's energy infrastructure.

Did you know ?

The Panama Canal, completed in 1914, uses a system of locks that lifts ships up 85 feet above sea level to cross the Isthmus of Panama—saving vessels nearly 13,000 km of travel around South America.

Mozambique launches \$6B power mega-project

Mozambique is pressing ahead with the \$6 billion Mphanda Nkuwa hydroelectric project, its largest in five decades and a landmark for southern Africa's energy transition. Supported by the World Bank, TotalEnergies, Électricité de France, and Hidroeléctrica de Cahora Bassa, the dam will generate 1,500 megawatts by 2031, helping reduce the region's 10,000-megawatt deficit. Electricity access in Mozambique has improved from 31% in 2018 to 60% in 2024, boosting small businesses, healthcare, and jobs. The government plans to connect all 33 million citizens by 2030, relying on grid expansion and solar-based off-grid solutions. Although rising debt, now about \$17 billion, poses risks, officials highlight the project's potential to earn export revenues and deliver reliable power, transforming daily life for millions across Mozambique and beyond.



Ireland limits legal challenges to infrastructure

Ireland will propose new measures to raise the bar for legal challenges to planning decisions, particularly those affecting major infrastructure projects, Prime Minister Mr. Micheál Martin announced on Wednesday. The plan follows the government's July pledge to use a corporate tax windfall to boost public infrastructure spending by 30% over the next five years. The IMF recently estimated that Ireland's infrastructure lags competitor economies by about 32%, with planning delays a key hurdle. While reforms last year streamlined judicial review processes, Mr. Martin said more action is needed. His remarks came after a judicial review was launched against a major Dublin wastewater project serving 500,000 people, which is already falling behind government targets.

Pakistan, China seal \$8.5B investment deals

Pakistan has secured \$8.5 billion in investment deals with China during Prime Minister Mr. Shehbaz Sharif's visit to Beijing for the Shanghai Cooperation Organization summit. The agreements include \$7 billion in MoUs and \$1.5 billion in joint ventures in agriculture, energy, EVs, health, and steel. Mr. Sharif launched the next phase of the China-Pakistan Economic Corridor (CPEC), vowing faster approvals and stronger security for Chinese workers under the Belt and Road Initiative.

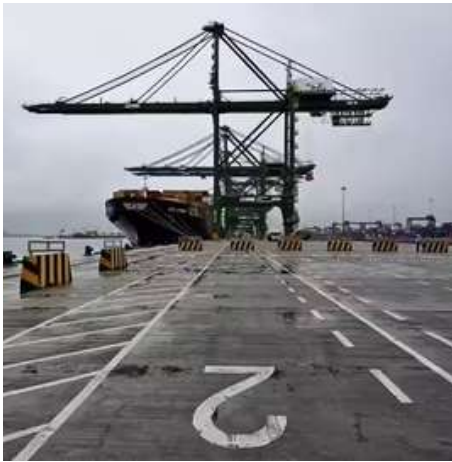
Apollo puts \$3.8B into RWE grid JV

Apollo has committed \$3.8 billion to a new joint venture with German power producer RWE to expand Germany's transmission grid. The JV, controlled by RWE, will fund its 25.1% stake in Amprion, one of Germany's main TSOs serving 29 million people. The investment supports Amprion's decade-long grid expansion program and aligns with RWE's renewable energy strategy, while reinforcing Apollo's push into European energy transition infrastructure.



Africa climate summit fuels green economy hopes

At the Tokyo International Conference on African Development (TICAD) in Yokohama, Japan's Prime Minister Mr. Shigeru Ishiba proposed an ambitious economic zone connecting the Indian Ocean to Africa to enhance trade and investment as U.S. influence declines and China's global economic role continues growing. Ishiba pledged \$5.5 billion in loans with the African Development Bank for sustainable growth and debt relief, and support to train 30,000 AI experts over three years to boost digitalization, innovation, and employment opportunities. He also firmly backed the African Continental Free Trade Area. UN chief Mr. António Guterres urged fairer financial systems and stronger African representation worldwide. The summit will end with the landmark "Yokohama Declaration."



India's largest container terminal inaugurated at JNPT in Navi Mumbai

On September 4, 2025, Prime Minister Mr. Narendra Modi and Singapore's Prime Minister Mr. Lawrence Wong virtually inaugurated the second phase of the Bharat Mumbai Container Terminal (BMCT) at Jawaharlal Nehru Port Authority (JNPA) in Navi Mumbai, marking a major milestone for India's maritime infrastructure. With this expansion, Maharashtra now has the largest container handling capacity in India at 10 million TEUs, surpassing Gujarat. Developed under a public-private partnership, the \$1.3 billion project by PSA International includes a 2 km quay, 200-hectare container yard, and advanced equipment such as 24 quay cranes and 72 rubber-tyred gantry cranes. The terminal's deep-draft berths can handle vessels up to 18,000 TEUs, boosting India's global trade efficiency.

Bengaluru flyover project approved

Bengaluru is set to receive a significant infrastructure boost as the Karnataka cabinet approved a ₹9,700-crore double-decker viaduct project as part of Namma Metro Phase 3. Managed by the Bangalore Metro Rail Corporation Limited (BMRCL), the project will integrate elevated metro lines with flyovers along two major corridors, making it the city's first stacked metro-flyover system. The first corridor will span 28.486 km from J P Nagar 4th Phase to Kempapura along the Outer Ring Road, becoming Bengaluru's longest flyover. The second corridor, covering 8.635 km, will connect Hosahalli to Kadabagere on Magadi Road, together forming 37.121 km of combined metro and road infrastructure. Civil works are expected to begin early next year, with tenders for the first four packages issued by November. The project's cost will be shared between the Union and state governments, urban local bodies, and loans. Completion is targeted by May 2031, slightly delayed from the original 2030 schedule due to design modifications.



India's infra investment trusts eye public listings

India's privately-listed infrastructure investment trusts (InvITs) are set to list on stock exchanges, with at least three IPOs planned this financial year to expand investor participation and improve liquidity for existing stakeholders. InvITs function like mutual funds, allowing individuals and institutions to invest directly in infrastructure projects and share the income generated. Of 26 licensed InvITs, five are already publicly listed, while NHAI, Cube Highways, and Anantam Highways Trust plan IPOs. Public listings aim to boost retail participation, currently just 9%, by lowering entry barriers. Foreign investors dominate, though IFC supports sustainability-linked instruments to attract broader investment.

Maharashtra cabinet approves ₹6,500 Crore 'New Nagpur' hi-tech business hub project

The Maharashtra state cabinet approved the ₹6,500-crore 'New Nagpur' project to transform Hingna taluka into a hi-tech commercial and corporate hub. Covering 692.06 hectares across Mouza Godhni and Mouza Ladgaon, it will feature an International Business and Finance Centre (IBFC) to support industries, startups, and corporate offices, creating over 5 lakh jobs and India's first underground utility tunnel system.



The project will be implemented by the Nagpur Metropolitan Region Development Authority, funded through a HUDCO loan with state government guarantee. Additionally, a stamp duty waiver has been approved to facilitate agreements and smooth project execution.

Noida Airport land acquisition fast-tracked: YEIDA plan

The Yamuna Expressway Industrial Development Authority (YEIDA) has introduced a new policy to expedite land acquisition near Noida International Airport, ensuring farmers receive full compensation within 72 hours of completing land registry and handing over possession. This measure aims to resolve delays that previously caused protests and slowed infrastructure projects. YEIDA has already disbursed over ₹8,000 crore to 7,000 farmers for 2,400 hectares acquired in the first two phases. In the upcoming phase, over 1,800 hectares will be acquired, benefiting nearly 14,000 farmers. Funded through government allocations and revenue from plot allotments, the initiative seeks to reduce disputes, accelerate development, and allow construction to proceed smoothly, as emphasized by YEIDA CEO R K Singh.





AVLOKIT MESHAM
MBA-HR
SCMHRD'27

Offshore Wind 4.0: India's leap into AI, Drones, and Digital Twins

When I think of India's energy transition, I often imagine the sea, immense and untouched, waiting for technology to unlock its potential. Offshore wind is no longer a distant dream; it is beginning to take shape off the coasts of Gujarat and Tamil Nadu, where nearly 70 GW of potential lies mapped and waiting.

Yet, building turbines in the ocean is only half the story. What excites me most is how Wind 4.0 technologies such as AI, drones, and digital twins are transforming the rules of the game. Digital replicas powered by AI can forecast wind patterns, optimize siting, and simulate maintenance long before a single blade turns. Drones and underwater robots can inspect turbines, minimize downtime, and replace dangerous climbs with precision and safety. This shift goes beyond efficiency; it is about embedding resilience, adaptability, and longevity into infrastructure from the very start.

India is already moving. The government has cleared transmission infrastructure for Gujarat's first 500 MW, while Tamil Nadu prepares new tenders after early setbacks. Challenges such as tariff clarity, port readiness, and supply chain depth persist, yet these very gaps also represent opportunities. With aligned policies, localized manufacturing, and digital-first project design, India's initial 1-2 GW this decade could evolve into a globally competitive, AI-enabled offshore wind industry by 2030. If executed with vision, offshore wind will not only power homes and industries but also create green jobs, strengthen coastal economies, and position India as a leader in the global clean energy race. It is the promise of a future where technology, policy, and nature move in harmony to light up the nation. Offshore wind is India's horizon, vast, resilient, and full of promise.

MR. GAURAV MITTAL - MANAGING DIRECTOR AT CHD DEVELOPERS LTD

Mr. Gaurav Mittal, Managing Director of CHD Developers Ltd, has been a driving force in redefining urban infrastructure and real estate development in Northern India. With a vision to blend innovation, sustainability, and customer-centric design, he has led the company's transition from residential projects to large-scale integrated township such as Avenue 71 in Gurgaon, CHD City in Karnal, and lifestyle destinations like Sri Krishnalok in Vrindavan. His leadership emphasizes eco-friendly practices—Avenue 71, for instance, was awarded a Gold Certification by the Ministry of Environment & Forests. Expanding into premium lifestyle housing, CHD Developers has also introduced branded residences, including the golf-themed 106 Golf Avenue on Dwarka Expressway. Recognized for his dynamic approach, Mr. Mittal continues to position CHD Developers as a forward-thinking player in India's infrastructure sector. As of 2022, the company's net worth stood at approximately ₹70.72 crore, while his personal net worth remains undisclosed. His vision reflects a commitment to building sustainable, smart, and inclusive communities.



INFRAShorts

- Navi Mumbai International Airport targets 30 September inauguration; runway closure ends 20 September, with domestic flights expected October-November.
- Mysuru allocates ₹393 crore to concretize 46 km roads, adding footpaths and drainage, reducing maintenance costs and improving durability.
- Chennai minister Udhayanidhi Stalin unveils ₹362.55 crore projects, inaugurates 13, lays five foundations, benefits 7,000 citizens across welfare and infrastructure.
- Bihar cabinet approves ₹7,616 crore projects: Mokama-Munger highway on HAM model and doubling Bhagalpur-Dumka-Rampurhat rail connectivity.
- Hyderabad's Old City Metro progresses with 7.5 km corridor works; 886 properties impacted, ₹433 crore compensation, demolitions and land acquisition ongoing.
- Border Roads Organisation restores critical connectivity in flood-hit Jammu and Kashmir, repairing landslide-damaged roads and ensuring vital movement resumes quickly.

