

CONSTRUC WORLD

India's Largest Circulated Construction Business Ma

in Construction World

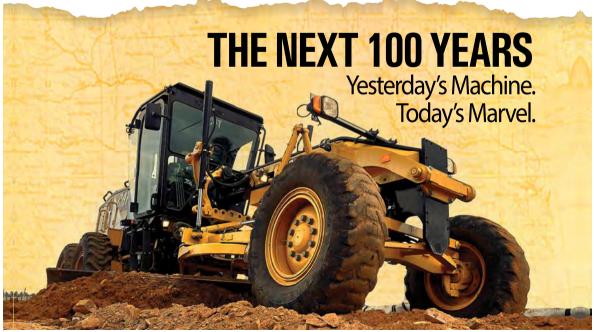
ConstructionWorld

© Constructionworld.in

ConstructionWorldMagazine

CATERPILLAR TEARS





Toll- free No: 1800 419 0228 | www.catmachine.co.in

© 2025 Caterpillar. All Rights Reserved. CAT, CATERPILLAR, LET'S DOTHE WORK, their logos, Caterpillar Yellow, the Power Edge and Cat Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.













Nominate the industry's best at RAHSTA EXPO 2025, recognizing excellence in road and highway innovation, construction, and technology.

AWARDS CATEGORY

Best Green Highway Award

TOP Challenger Award for outstanding work in the toughest road challenges

Innovation Award in Project Execution

Innovation Award in Materials

Road Max Award (Contractor executing maximum kilometer of roads)

Best Road Developer Award (Developer having the maximum kilometer of roads)

Award for Excellence in Sustainable Road Construction Equipment

Best Digital Technology Award in road building

Award for best use of waste material recycling in road construction Best Road Financier Award (Award to Banks/Lending firms to a maximum kilometer of roads)

Best Renewable Energy Integration Award

Awards for Excellence in Bridge Engineering

Award for Excellence in Tunnel Engineering

Award for Excellence in Project Management

Fastest road builder award

Award for Highest standards of Excellence in Road Engineering & Construction

NOMINATIONS ARE OPEN

For Nomination Inquiries
Siraj: +91 97695 77206 |
Siraj.K@ASAPPinfoGlobal.com





CONSTRUCTION WORLD April 2025 • Vol.27 No. 7

India's Largest Circulated Construction Business Magazine

in Construction World

ConstructionWorld

© Constructionworld.in

ConstructionWorldMagazine

FUTURE-READY STATIONS!

The revamp of more than 1,300 railway stations presents a huge opportunity for the construction industry.



- India's Data Centre Boom... 63
- **Interactions:** Infra.Market, Amara Raja Infra, REGRIP Tyres, Consul General of Malaysia.... 99, 68, 72, 66

Seamlessly integrated securitylayer by layer-has become the norm across building types.















Presented by





15th CEMENT **EXPO 2025**

Driving Sustainability Through Technology

12th & 13th November 2025 | Yashobhoomi, Delhi

Colocated with



11*INDIAN CEMENT REVIEW CONFERENCE 2025

5000+ Visitors

100+ Exhibitors 300+ Delegates **35+**Speakers

Awards Category

Green Company of the Year

Green Factory of the Year

Product of the Year

Green Innovation of the Year

CSR Company of the Year

Lifetime Achievement of the Year

Person of the year

NOMINATIONS ARE OPEN



For Conference Sponsorship opportunities

Sheetal: +918422874030 | Sheetal@IndianCementReview.com

For Exhibitor Space booking

Sujoy: +91 86577 95881 | Sujoy.G@ASAPPinfoGlobal.com

For Delegate Registrations & Inquiries

Siraj: +91 97695 77206 | Siraj.K@ASAPPinfoGlobal.com













MultiLogistix

India's First Expo showcasing PM Gati Shakti driving India's Supply Chain Revolution

12th - 13th November, 2025 | Yashobhoomi, Delhi



For Space Booking and Sponsorships

Rajat (North): +91 86910 05256 | Rajat.G@ASAPPinfoGlobal.com Chandrashekhar (West): +91 86524 93000 | Chandrashekhar.B@ASAPPinfoGlobal.com

For Delegate Registrations & Inquiries

Siraj: +91 97695 77206 | Siraj.K@ASAPPinfoGlobal.com

www.MultiLogistix.com

CONTENTS

COVER STORY

FUTURE-READY STATIONS!

CW explores railway station redevelopment key design trends and essential insights for bidders in 2025!



FEATURE

Plugging the Leaks

CW identifies India's waterproofing market's best new releases and gaps in the product lineup.



68

INTERACTION

"By 2030, we anticipate a four-fold growth."

- Nageshwar SV, Associate Vice President & Business Head, Amara Raja Infra

63

SPECIAL REPORT

Bia Data!

India's data centre industry is expected to add 604 MW by 2026.



START-UP

"We've doubled revenue with 200% Y-o-Y growth."

- Tushar Sulhaka, Founder, **REGRIP Tyres**

TRADE TALK

"Malaysia-India trade stands at \$18.25 billion and is growing at the rate of 8.5 per cent."

- Ahmad Zuwairi Yusoff, Consul General of Malaysia, Mumbai

58

FVFNT RFPORTS

Indian Cement Review Awards!

The forum brought together industry leaders to discuss innovation in the cement sector.

Innovating for Road Sustainability

At 'Paving the Future' webinar, experts discussed sustainable solutions for road infrastructure.

60

Transformation in the Northeast!

CW hosted 'The Rising North East' webinar to discuss the region's transformation.





DINESHCHANDRA R. AGRAWAL
INFRACON PVT. LTD.

FOR THE NEED OF TOMORROW

The fastest growing infrastructure company of India, winning accolades for 'time & quality' adherence with a global presence across all sectors of the infrastructure spectrum.









BUILD



FINANCE



MANAGE



OPERATE



INFRASTRUCTURE

- Roads & Highways
- Bridges, Flyovers & Tunnel
- Rail, Urban Rail & High Speed Rail
- Urban Development & Technologies
- Aviation Infrastructure
- Defence Infrastructure
- Power & Green Energy (T&D)
- Oil & Gas
- Water Supply & Waste Management



SMART SOLUTIONS

- Surveillance & Security Systems
- Integrated Command & Control Centre
- Smart Education
- Optical Fibre Communication



We believe in performance with precision and teamwork with tenacity.





COVER STORY

Multilayered Security

CW decodes layered security norms across buildings.

PRODUCT PARADE

What's launched?

EVENT REPORT

CW Design-Build Conclave and Awards

The event focused on Hyderabad's growth and recognised the contributions of architects and builders.

SPECIAL REPORT

Fixing Hyderabad's Urban Puzzle

CW explores how Hyderabad's unchecked real estate boom strains infrastructure.

INTERACTION

"We're a building materials platform driven by tech and manufacturina."

- Aaditya Sharda, Co-Founder, Infra.Market

Corrigendum: • In the February 2025 edition, Aaditya Sharda's surname was erroneously spelt on page 18. The error is regretted. • In the 'Index to Advertiser' section (page 180), the company is IVAS Appliances, not Infra.Market.

UPDATES

- 102 Project Update
- 106 Power Update
- 108 Transport Update
- 112 Real Estate Update
- 114 Equipment Update
- 115 Cement Update
- 116 Smart Cities Update

CW BIZ

- 122 Upcoming Projects
- 138 Property Rates
- 130 Building Material Prices
- 134 Contracts Awarded
- 135 Tenders
- 136 Diary
- 142 Index to Advertisers
- 143 Twit-Bits
- 144 Newsmakers

PLUS

- 10 Editor's Note
- 18 Findex
- 22 News & Events
- 24 Current Affairs
- BMC to Complete Road Concretisation
- NHAI Monetises ₹180 Billion InvIT
- L&T Wins Offshore Hydrocarbon Contract
- India Plans Longest LPG Pipeline
- Delhi's Largest RRTS Nears Completion

In the May 2025 edition, look out for:

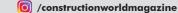
- Roads & Highways
- Concrete Equipment
- Tvres
- Flooring Solutions

Advisory Board Members:

- CN Raghavendran, Managing Director, CR Narayana Rao (Consultants)
- Dikshu C Kukreja, Managing Principal, CP Kukreja Associates Mili Majumdar, Managing Director, Green Business Certification Institute India | Vice President, U.S. Green Building Council • Naushad Panjwani, Chairman, Mandarus Partners
 - Prof Ashima Banker, Director, Chandigarh University Institute of Design
- · Prof N Raghavan, Professor of Practice, BTCM Division, Department of Civil Engineering IIT Madras • Rahul Kadri, Principal, IMK Architects • Sumit Banerjee, Former Vice-Chairman, Reliance Infra and Cement, Former CEO & MD, ACC
- Suneet Maheshwari, Managing Partner & Founder, Udvik Infrastructure Advisors
- Vijay Agarwal, Executive Director, Equirus Capital Vipul Surana, VP Transit, AECOM













Enhancing India's Infrastructure with Sustainable Roofing & Cladding Solutions





Patented Paint Technology



Engineered with the Best



Backed by 100 Years of R&D



Sustainable Colour Coated Steel Solutions





















EDITOR'S NOTE

FINANCIAL SUSTAINABILITY **CHALLENGES**

The good news is that whatever President Trump does on tariffs, contractors would feel the least impact in their business. There can be some collateral impact such as dampening of the sentiment, if they adversely affect India. Steel is likely to be one commodity that is likely to experience volatility owing to its vulnerability to the adverse impact of dumping. Meanwhile, cement is largely insulated. The financial markets, however, can cause pain to the economy in general. That said, most experts appear to be of the view that the impact would be more of a nudge than a budge.

By February 2025, the expenditure on roads and highways was marginally better than the same period last year at ₹2.33 trillion versus ₹2.19 trillion. The railways capex was also marginally higher at ₹1.91 trillion versus ₹1.85 trillion during the same period last year. Capital expenditure, which was subdued during October and November 2024, skyrocketed by 4X during December 2024 over the previous two months and double of that spent in December 2023.

In Kumbh 2013, the Government generated revenues of ₹12,000 crore on expenses of ₹1,017 crore. Kumbh 2019 churned out a revenue of ₹1.2 trillion on an expense of ₹2,112 crore.

This Mahakumbh in 2025, a total of ₹7,500 crore, with ₹5,400 crore allocated by the state government and ₹2,100 crore from the Centre, was earmarked for development projects, including roads, flyovers and underpasses in Prayagraj to accommodate the massive congregation. The Maha Kumbh Mela had a budget of about ₹12,670 crore, with an initial estimate of 40 crore visitors. However, the event far surpassed expectations as a staggering 65 crore devotees thronged the destination by the time the 45-day event came to an end on February 26. Uttar Pradesh Chief Minister Yogi Adityanath estimated that the Maha Kumbh Mela will add more than ₹3 trillion to the economy of the state. This event has helped add some notches to our GDP.

States have declared their budgets and they are ambitious. But they will have to work towards sustainability as welfare schemes have dealt a severe blow to their finances and driven some to bankruptcy.

Maharashtra, Rajasthan and Telangana have



stepped up their contracts awarded. But contractors have not been paid in many states. Contractors are being hit by a double whammy; on one hand, they have to pay up for 'being in the good books' in advance then they spend for pre-construction and then the projects suffer delays in getting launched due to permissions and then contractors are expected to arin and bear it as payments are delayed. The entire supply chain gets affected. The contractors of Jal Jeevan Mission suffered this last year.

The Builders Association of India (BAI) and the Maharashtra State Contractor's Association (MSCA) have stated that contractors will take legal action for the non-payment of govt dues of close to ₹1 trillion! According to the association, the Public Works Department owes them ₹46,000 crore, Jal Jeevan Mission ₹18,000 crore, Rural Development ₹8,600 crore, Irrigation Department ₹19,700 crore and the Urban Development ₹17,000 crore. Down South in Karnataka, consequent to a meeting with Chief Minister Siddaramaiah and Deputy Chief Minister DK Shivakumar, the President of the Karnataka State Contractors Association, R Manjunath, deescalated the situation after the state government assured him that 50 per cent of pending dues (with ₹5,400 crore allocated by the state government and ₹2,100 crore from the Centre) would be cleared starting in April 2025, along with a resolution of GST and Mining Development Plan (MDP) concerns.

Given that contractors are not getting paid, the scenario for quality construction seems elusive. We may get a nudge from the US instead of a budge but let's not slide into a sludge.

Construction World will be exhibiting at Bauma Munich (April 7-13) at Hall number B4 booth number 523/5. Do visit us as we exhibit our offerings to a global audience.



Follow me on twitter @PratapPadode



Munich from 7th to 13th April 2025



Let's Build India Better



At MSP Steel, what we shape, shapes the future. Our vast array of verticals, ranging from Premium TMT bars to Structurals and Pipes, is designed to help us remain committed on this path of infinite growth, driving the nation forward steadily.

Superior Durability & Strength | Pan-India Availability Widest Range of Sections | Customisable Sizes

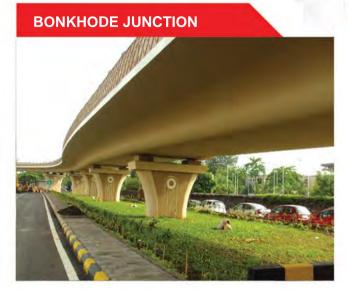


DELIVERING SUCCESSFUL PROJECTS WORLDWIDE SINCE 38 YEARS

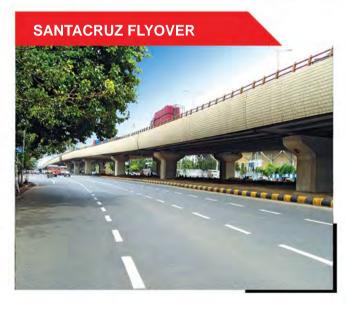


Pioneers of formwork with successful projects across India, Middle East & Africa.

AMAR MAHAL EP27



SANTACRUZ FLYOVER



PRODUCT: DECOFORM

- Aesthetic Finishes on the concrete
- Form Finish with zero rework

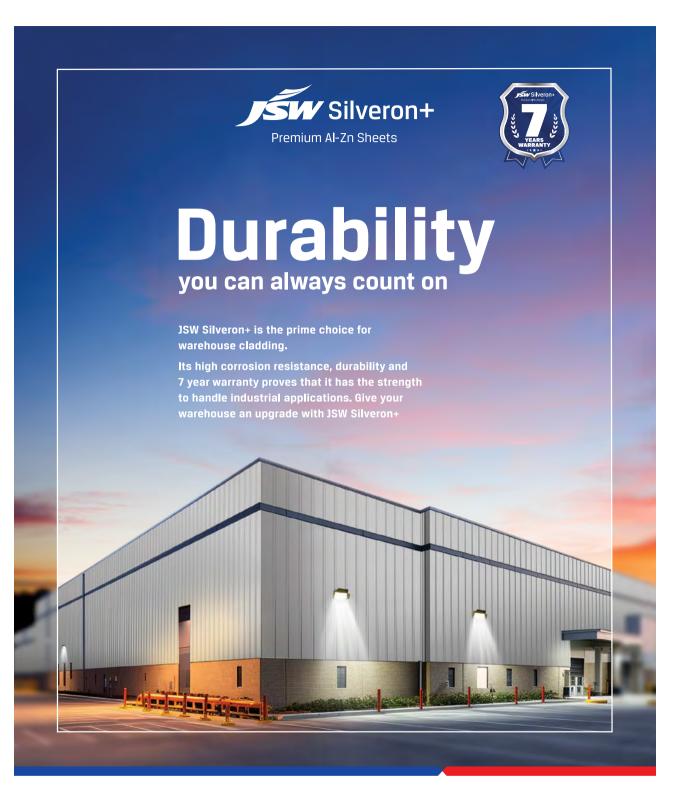
- Longer life with minimum 40-50 casting repetition
- Customized patterns and solutions

Pranav Construction Systems Pvt. Ltd.

F-8, Kharvai MIDC, Opp. MSEB Substation, Badlapur (E), Dist. Thane, Maharashtra. Toll Free No: 1800-833-0025. Email: info@pranavind.com | Website: www.pranavinfra.com

- ACCESS TOWERS
- FULL SPAN DECK
- PIER-FORMS
- WALL-FORMS
- **EASY STAGE**
- CIS DECK
- SEGMENT DECK

- U-G DECK
- T-I-L DECK
- LAUNCHERS
- ACB
- **TUNNEL LINING**



www.jswsteel.in

Toll-free No.: 1800-225-225





- Cylinder Block Boring & Surfacing Machines (Hole to Hole automated)
- Valve Seat Cutting & Guide honing Machines
- Valve Grinding Machines
- Cylinder Block Honing Machines

US 2024 / 0042561 A1 | US 17/892,165













VN VAN NORMAN

S 55, Industrial Area, Phase 2, Chandigarh-160002

+91-81602 34425 , +91-99-155-44-777
(Domestic Sales)
(Export Sales)

Innovations - Leadership - Trust - Responsibility



A Better Way to Manage Your Projects

Intelligent Project Collaboration & Control for Construction



RIB iTWO Software Private Limited

175, Kagalwala House, 2nd Floor, C Block, CST Rd, KALINA, SANTACRUZ (E), Near Honda Showroom, Maharashtra, MUMBAI. India – 400098 Phone +91 (0) 22 6862 0345





/ConstructionWorldmagazine

/CWmagazine

Founder & Editor-in-Chief *Pratap Padode

Group Managing Editor Falguni Padode Falguni@ASAPPInfoGlobal.com

Press Releases PR@ASAPPInfoGlobal.com

For Advertisement

Adsales@ConstructionWorld.in Mumbai - Dipti: +91 84228 74027 Delhi - Rajeev: +91 84220 43000 South - Sudhir: +91 8422987406 Pune - Nilesh: +91 8422874036 Ahmedabad - Sunil: +91 8422874011 Kolkata - Abhijit: +91 8422874022

For Subscription Sub@ConstructionWorld.in Tel: 022-3013 3000.

Published by:

ASAPP Info Global Services Pvt Ltd, A-303, Navbharat Estates, Zakaria Bunder Road, Sewri (West), Mumbai-400 015. Tel: 022-3013 3000.

*Responsible for selection of news under the PRB Act. All rights reserved. While all efforts are made to ensure that the information published is correct, Construction World holds no responsibility for any unlikely errors that might have

Printed and Published by Tarun Pal on behalf ASAPP Info Global Services Pvt Ltd, printed at Indigo Press (India) Pvt Ltd, Plot No 1C/716, Off Dadoji Konddeo Cross Road, Between Sussex and Retiwala Ind. Estate, Byculla (East), Mumbai-400 027 and Published from A-303, Navbharat Estates, Zakaria Bunder Road, Sewri (West), Mumbai-400 015. Editor: Pratap Vijay Padode, A-303, Navbharat Estates, Zakaria Bunder Road, Sewri (West), Mumbai-400 015.

CONSTRUCTION WORLD is a member of INS. Subject to Mumbai jurisdiction only.

The information on products and projects on offer is being provided for the reference of readers. However, readers are cautioned to make inquiries and take their decisions on purchase or investment after consulting experts on the subject. CONSTRUCTION WORLD holds no responsibility for any decision taken by readers on the basis of information provided herein.

This is to notify all members of the trade and the public that the trademarks "Construction World" and logos as "CVM" are valuable intellectual property rights of ASAPP Info Global Services Pvt Ltd and any commercial use thereof in a manner which negates or dilutes or is detrimental to their repute or distinctive characters would be an actionable wrong, both civil and criminal, and ASAPP Info Global Services Pvt Ltd will not hesitate to bring all available legal proceedings to punish and restrain such acts.

The publication is not responsible for the information provided in the advertisements by advertisers. Readers are advised to make their own inquiries before taking any decisions based upon the information provided in any advertisement.



To subscribe to the digital edition of CWIndia log on to:www.ConstructionWorld.in/Gold



This service is provided by **CW** for easy reference of organisations and individuals reported in this issue.

ORGANISATIONS
Action TESA
Afcons Infrastructure134
AFR58
Ahluwalia Contracts42, 52
Amara Raja Infra68, 70, 134
ANAROCK30
Andhra Pradesh Airports Development
Corporation (APADCL)108
Andhra Pradesh State Investment
Promotion Board (SIPB)103
Aparna Constructions & Estates94, 96, 97
Arka.de Sign Studio94, 97
Arriva Designs88
ASEAN60, 67
Ashley's
Asian Development Bank60
Asian Granito India100
Assam Power Distribution Company (APDCL) 106
AT Group106
Auro Realty98
Bain Capital105
Bangalore Waterproofing Company77
Basics Architects
Bharat Heavy Electricals (BHEL)
Blackstone
Blum
Border Road Organisation
Brigade Enterprises
Brihanmumbai Municipal Corporation (BMC24 Builders Association of India (BAI)10
Bureau of Water Use Efficiency (BWUE)22
Capital Region Urban Transport (CRUT)
Carlyle
CBRE
Ceigall India
Central Pollution Control Board
CERT-In
Chirag Design studio98
CII-IGBC33, 40
Colliers
Construction Industry Development
Board (CIDB)66, 67
Consul General of Malaysia66
CP Kukreja Architects33, 40, 50
Creative Group33, 34, 48
CSIR – Central Road Research Institute (CRRI)79
Cushman & Wakefield92
Dalmia Bharat115, 122
Designhaaus
Digvijay Cement
DMRC143
Dr Terrace Waterproofing74, 75
EaseMyTrip122
Egis South Asia
Engineers India (EIL)
Ernst & Young LLP
Essar Foundation

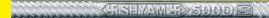
eXp India	
F+S Designs	
FHD India Consultants LLP	
Fly Bharathi Aviation	
Fontana Gruppo	
Fornnax Technology	59
Garg Waterproofing Company	74, 77
Girdhari Lal Constructions36	, 42, 52, 54
Global Cement and Concrete	
Association (GCCA)	3.580
Global Cement and Concrete	
Research Network (GCCRN)	115
Goa Shipyard (GSL)	
GPM Architects & Planners	
GS Studio Design Consultants	
· ·	
Habitat	
Hetvi Construction	
Highway Concessions One	
Hindalco	
Hindware	
Honer Homes	97
Honeywell	79, 80
Hyderabad Metropolitan	
Development Authority (HMDA)	116
ICRA	
India Ports Global Ltd (IPGL)	111
Indian Hotels Company (IHCL)	113
Indian Institute of Foreign Trade (IIFT)	
Indian Metals and Ferro Alloys (IMFA)	
Infra.Market	
Innomotics India	
Integral Coach Factory (ICF)	
IRCON	
J Kumar Infraprojects	
Jayantisuper Construction	
JBM Ecolife Mobility	
JK Lakshmi Cement	
JK Tyre & Industries	
JSW Cement	
Jubilant Ingrevia	
Juniper Green Energy	
K&R Rail Engineering	
Kalpataru Projects	
KCP	59
Kernex Microsystems (India)	109
Knight Frank	112
Kolte-Patil Developer	112
Kreative House	97
Kutch Copper (KCL)	144
Kypad Design Office LLP86,	
L&T-Cloudfiniti	
Larsen & Toubro (L&T) 26, 65, 10	
Maersk	
Magicrete	
Man Infraconstruction (MICL)	
Manglam Group	
Menzies Aviation	
MORIQ	98





SHYAM STEEL

flexi STRONG TMT REBAR





A CONSTRUCTION LASTS LONG ONLY WHEN IT IS FLEXI-STRONG

Shyam Steel Flexi-Strong TMT Rebar, is the ideal choice for construction. It has the perfect balance of strength and flexibility that protects your structure for generations to come. Choose GreenPro Ecolabel certified and sustainably manufactured TMT Rebar, which builds everlasting structures.

www.shyamsteel.com | ⋈ enquiry@shyamsteel.com | www.shyamsteel.com | www.shyamsteel.

Follow Shyam Steel India @ f 📵 🔉 🖸 🕼

Shyam Steel Industries Ltd., Shyam Tower, Premises No. 03-319, DH-6/11, Action Area- 1D, Street No. 319, New Town, Kolkata-700156 A Mark of TRUST
「SHYAM」。

500D

a sign of authenticity that promises strength and quality

1311/AMILED 5000 D

FINDEX

My Home Constructions97
N S Associates
NAREDCO Telangana98
National Highways & Infrastructure
Development Corporation (NHIDCL)61
National Highways Infra Trust (NHIT)24
National Highways Logistics
Management (NHLML)61
National Skill Development
Corporation (NSDC)70
NBCC
NCL59
NHAI24, 110, 135
North Eastern Development Finance
Corporation (NEDFi)
NTPC102
Nuvoco Vistas Corporation58
NVIDIA63
O2 Power
Odd Jobs Waterproofing74, 75
Odisha Renewable Energy
Development Agency (OREDA)
Orient Cement
Phoenix Group
Project Export Promotion Council (PEPC)22
PS Digitech-HR
PSP Projects
QatarEnergy LNG
Rail Vikas Nigam (RVNL)
Kailway Koard 50
Rajapushpa Properties97
Rajapushpa Properties
Rajapushpa Properties
Rajapushpa Properties. 97 Ramky Estates. 93, 94, 96 REGRIP Tyres. 72, 73 Reliance Jio 63
Rajapushpa Properties
Rajapushpa Properties. 97 Ramky Estates 93, 94, 96 REGRIP Tyres 72, 73 Reliance Jio 63 Reliance Strategic Business Ventures (RSBVL) 111 Right Tight Fasteners 105 Ripik Technology 58 RPP Infra Projects 104 Safe Harbor Marinas 105 SANY 114
Rajapushpa Properties. 97 Ramky Estates 93, 94, 96 REGRIP Tyres 72, 73 Reliance Jio 63 Reliance Strategic Business Ventures (RSBVL) 111 Right Tight Fasteners 105 Ripik Technology 58 RPP Infra Projects 104 Safe Harbor Marinas 105 SANY 114 SEBI 109
Rajapushpa Properties. 97 Ramky Estates 93, 94, 96 REGRIP Tyres 72, 73 Reliance Jio 63 Reliance Strategic Business Ventures (RSBVL) 111 Right Tight Fasteners 105 Ripik Technology 58 RPP Infra Projects 104 Safe Harbor Marinas 105 SANY 114 SEBI 109 Sekura India Management 80
Rajapushpa Properties. 97 Ramky Estates 93, 94, 96 REGRIP Tyres 72, 73 Reliance Jio 63 Reliance Strategic Business Ventures (RSBVL) 111 Right Tight Fasteners 105 Ripik Technology 58 RPP Infra Projects 104 Safe Harbor Marinas 105 SANY 114 SEBI 109 Sekura India Management 80 SEP Architects 98
Rajapushpa Properties. 97 Ramky Estates 93, 94, 96 REGRIP Tyres 72, 73 Reliance Jio 63 Reliance Strategic Business Ventures (RSBVL) 111 Right Tight Fasteners 105 Ripik Technology 58 RPP Infra Projects 104 Safe Harbor Marinas 105 SANY 114 SEBI 109 Sekura India Management 80 SEP Architects 98 Shell India Markets 58
Rajapushpa Properties. 97 Ramky Estates 93, 94, 96 REGRIP Tyres 72, 73 Reliance Jio 63 Reliance Strategic Business Ventures (RSBVL) 111 Right Tight Fasteners 105 Ripik Technology 58 RPP Infra Projects 104 Safe Harbor Marinas 105 SANY 114 SEBI 109 Sekura India Management 80 SEP Architects 98 Shell India Markets 58 Shree cement 122
Rajapushpa Properties. 97 Ramky Estates 93, 94, 96 REGRIP Tyres 72, 73 Reliance Jio 63 Reliance Strategic Business Ventures (RSBVL) 111 Right Tight Fasteners 105 Ripik Technology 58 RPP Infra Projects 104 Safe Harbor Marinas 105 SANY 114 SEBI 109 Sekura India Management 80 SEP Architects 98 Shell India Markets 58 Shree cement 122 Singareni Collieries Company 135
Rajapushpa Properties. 97 Ramky Estates 93, 94, 96 REGRIP Tyres 72, 73 Reliance Jio 63 Reliance Strategic Business Ventures (RSBVL) 111 Right Tight Fasteners 105 Ripik Technology 58 RPP Infra Projects 104 Safe Harbor Marinas 105 SANY 114 SEBI 109 Sekura India Management 80 SEP Architects 98 Shell India Markets 58 Shree cement 122 Singareni Collieries Company 135 Solar Group 134
Rajapushpa Properties. 97 Ramky Estates 93, 94, 96 REGRIP Tyres 72, 73 Reliance Jio 63 Reliance Strategic Business Ventures (RSBVL) 111 Right Tight Fasteners 105 Ripik Technology 58 RPP Infra Projects 104 Safe Harbor Marinas 105 SANY 114 SEBI 109 Sekura India Management 80 SEP Architects 98 Shell India Markets 58 Shree cement 122 Singareni Collieries Company 135 Solar Group 134 Span Floors 100
Rajapushpa Properties. 97 Ramky Estates 93, 94, 96 REGRIP Tyres 72, 73 Reliance Jio 63 Reliance Strategic Business Ventures (RSBVL) 111 Right Tight Fasteners 105 Ripik Technology 58 RPP Infra Projects 104 Safe Harbor Marinas 105 SANY 114 SEBI 109 Sekura India Management 80 SEP Architects 98 Shell India Markets 58 Shree cement 122 Singareni Collieries Company 135 Solar Group 134 Span Floors 100 Squares Design Studio 97
Rajapushpa Properties. 97 Ramky Estates 93, 94, 96 REGRIP Tyres 72, 73 Reliance Jio 63 Reliance Strategic Business Ventures (RSBVL) 111 Right Tight Fasteners 105 Ripik Technology 58 RPP Infra Projects 104 Safe Harbor Marinas 105 SANY 114 SEBI 109 Sekura India Management 80 SEP Architects 98 Shell India Markets 58 Shree cement 122 Singareni Collieries Company 135 Solar Group 134 Span Floors 100 Squares Design Studio 97 SRMB 128
Rajapushpa Properties. 97 Ramky Estates 93, 94, 96 REGRIP Tyres 72, 73 Reliance Jio 63 Reliance Strategic Business Ventures (RSBVL) 111 Right Tight Fasteners 105 Ripik Technology 58 RPP Infra Projects 104 Safe Harbor Marinas 105 SANY 114 SEBI 109 Sekura India Management 80 SEP Architects 98 Shell India Markets 58 Shree cement 122 Singareni Collieries Company 135 Solar Group 134 Span Floors 100 Squares Design Studio 97 SRMB 128 Star Cement 58, 115
Rajapushpa Properties. 97 Ramky Estates 93, 94, 96 REGRIP Tyres 72, 73 Reliance Jio 63 Reliance Strategic Business Ventures (RSBVL) 111 Right Tight Fasteners 105 Ripik Technology 58 RPP Infra Projects 104 Safe Harbor Marinas 105 SANY 114 SEBI 109 Sekura India Management 80 SEP Architects 98 Shell India Markets 58 Shree cement 122 Singareni Collieries Company 135 Solar Group 134 Span Floors 100 Squares Design Studio 97 SRMB 128 Star Cement 58, 115 Sthapati 36
Rajapushpa Properties 97 Ramky Estates 93, 94, 96 REGRIP Tyres 72, 73 Reliance Jio 63 Reliance Strategic Business Ventures (RSBVL) 111 Right Tight Fasteners 105 Ringfeder Power Transmission 58 Ripik Technology 58 RPP Infra Projects 104 Safe Harbor Marinas 105 SANY 114 SEBI 109 Sekura India Management 80 SEP Architects 98 Shell India Markets 58 Shree cement 122 Singareni Collieries Company 135 Solar Group 134 Span Floors 100 Squares Design Studio 97 SRMB 128 Star Cement 58, 115 Sthapati 36 Sudish's Institute of Waterproofing
Rajapushpa Properties. 97 Ramky Estates 93, 94, 96 REGRIP Tyres 72, 73 Reliance Jio 63 Reliance Strategic Business Ventures (RSBVL) 111 Right Tight Fasteners 105 Ringfeder Power Transmission 58 Ripik Technology 58 RPP Infra Projects 104 Safe Harbor Marinas 105 SANY 114 SEBI 109 Sekura India Management 80 SEP Architects 98 Shell India Markets 58 Shree cement 122 Singareni Collieries Company 135 Solar Group 134 Span Floors 100 Squares Design Studio 97 SRMB 128 Star Cement 58, 115 Sthapati 36 Sudish's Institute of Waterproofing and Insulation (SIWIN) 76
Rajapushpa Properties 97 Ramky Estates 93, 94, 96 REGRIP Tyres 72, 73 Reliance Jio 63 Reliance Strategic Business Ventures (RSBVL) 111 Right Tight Fasteners 105 Ringfeder Power Transmission 58 Ripik Technology 58 RPP Infra Projects 104 Safe Harbor Marinas 105 SANY 114 SEBI 109 Sekura India Management 80 SEP Architects 98 Shell India Markets 58 Shree cement 122 Singareni Collieries Company 134 Span Floors 100 Squares Design Studio 97 SRMB 128 Star Cement 58, 115 Sthapati 36 Sudish's Institute of Waterproofing and Insulation (SIWIN) 76 Sunteck Realty 113
Rajapushpa Properties
Rajapushpa Properties 97 Ramky Estates 93, 94, 96 REGRIP Tyres 72, 73 Reliance Jio 63 Reliance Strategic Business Ventures (RSBVL) 111 Right Tight Fasteners 105 Ringfeder Power Transmission 58 Ripik Technology 58 RPP Infra Projects 104 Safe Harbor Marinas 105 SANY 114 SEBI 109 Sekura India Management 80 SEP Architects 98 Shell India Markets 58 Shree cement 122 Singareni Collieries Company 135 Solar Group 134 Span Floors 100 Squares Design Studio 97 SRMB 128 Star Cement 58, 115 Sthapati 36 Sudish's Institute of Waterproofing 36 Sunteck Realty 113 Tamil Nadu Green Energy Corporation (TNGECL) 106
Rajapushpa Properties

Tata Hitachi	114
Tata Semiconductor Manufacturing	
Private (TSMPL)	22
Tata Steel	
TCS67	
The Energy and Resources Institute (TERI)	
ΓK Elevators	
TKIL Industries	
TMT Projects & Solutions	
Trump Organisation	
UltraTech Cement58, 98, 115	
Valueline	
√ascon Engineers	112
√astunidhi Architects	
Vedanta ESL	
√iva	
Volvo Construction Equipment	
Waaree Renewable Technologies	
Walplast	
Warburg Pincus	
Welspun Enterprises	
Wet2Dry Solutions	
Wirtgen Group	
Wolffkran	114
PEOPLE	
Aaditya Sharda	0.0
Abhilasha Joshi	
Ahmad Zuwairi Yusoff	
Ajay Bhadoo	
Aniruddha Nafrey	
Anshuman Magazine	
Anupama Reddy	
Ashish Beriwala	
Ashmitha Padmanabhan	
Bijimol Prajul	
Dheepan Ramalingam	
Dikshu Kukreja	
Dilip Kumar	
Dr Gurunath Guduru	
Dr Ravindra Gettu	
Or Vinay Prakash	
Or Yonghong Ruan7	
Or Zafar Khan7	
GA Ganesh7	4, 75
Goverdhandas Daga	58
Himadri Sharma	98
Himanshu Pathak	80
Jatin Shah	3, 64
lignesh Kundaria	59
K. Ramakrishna	59
Kalpesh Mehta	144
Kaustubh Phadke	58
Khoobi Mehta3	36, 42
Kirtikar Ojha	
(N Rao	
M.K. Ravi Sai	
Mahavir Pratap Sharma	
Manish Dua	
Manmohan Parkash	
Mathan Pamaiah	0.0

Mohammed Saifuddin		98
Nageshwar SV		
Nanda Kishore	94,	96
Naveen Kumar Sharma		
Naveen Sharma		
Navin Bhuwalka		
Nikunj Beriwala		
Nilesh Jani		
Nilesh Narwekar		
Nishant Prakhar		
P Ramakrishna Shenoy		
P. P. John	, ,	98
Pankaj R Wadhwa		
Pankaj Surana		
Pathik Joshi		
Pavan Kakade		
Pooja Ashley		
Prashant Jain		
Prof Charanjit S Shah		
Punnose P. John		
R E Zeliang		
Rahul Gowda	30,	7-
Rajeev Bansode	4Z,	0.7
Rajesh Chaabra	74,	91
Raju Ramachandran		
Rakesh Reddy		
Ravish Sharma		
Rhythum Garg		
Roopa Bhupatiraju	••••	55
Rupam Dey		
S N Subrahmanyan		
S Paramasivan		
Sahir Choudhary		
Samanth Nimmala	••••	97
Sammeer Karkhanis		
Sanjeev Patil		
Santosh Maniyar		
Satish Pai		
Satish Pandey		
Saunak Gupta		22
Saurav Choudhury		
Shashank Gupta		
Siddharth Mall		98
Spoorthi Reddy		
Sreekanth Reddy		
Sreekanth.G		
Subramanian Sarma		
Sudeshna Banerjee		58
Sumit Banerjee		
Suniel Shetty		
Titus Pereira		
Tushar Kulkarni		
Tushar Sulhaka		73
Ulhas Parlikar		58
V.S. Raju		58
Venu Gopal Vennavalli		
Vijaya Sai Meka		
Vinod Singhi		
Vioul P Varahnava		2/



OUR ROAD SAFETY MARKING SOLUTIONS





NEWS & EVENTS



- India Semiconductor Mission (ISM), Tata Electronics Private Limited (TEPL), and Tata Semiconductor Manufacturing Private (TSMPL) have signed a Fiscal Support Agreement (FSA) for India's first commercial semiconductor fab in Dholera, Gujarat, with an investment exceeding ₹910 billion. The Government of India has committed 50 per cent fiscal support under the semiconductor manufacturing programme. The project, with a capacity of 50,000 wafers per month, is set to create over 20,000 jobs and cater to automotive, computing, communications, and Al sectors.
- The Indian Institute of Foreign Trade (IIFT) has signed an MoU with APEC - Antwerp/Flanders Port

- Training Center, Belgium, to enhance collaboration in international trade, logistics, and supply chain management. The MoU focuses on faculty and student exchanges, joint research, specialized training programs, and industry interactions. It will facilitate knowledge transfer in port management, global logistics, e-governance, and digital trade.
- The Bureau of Water Use Efficiency (BWUE), under the National Water Mission, in collaboration with The Energy and Resources Institute (TERI), hosted the Water Sustainability Conference 2025 in New Delhi, focusing on Industrial Water Use Efficiency. Inaugurating the event, Union Minister C.R. Patil highlighted India's commitment to sustainable water management through initiatives like Jal Jeevan Mission and Jal Shakti Abhiyan. The conference brought together government officials, industry leaders, and experts to discuss innovative technologies and policies for enhancing water efficiency.

APPOINTMENTS



- S Paramasivan, Managing Director, Afcons, is the new Chairman of Project Export Promotion Council (PEPC), succeeding his Vice-Chairman role (2023-25). PEPC was established in 1984 by India's Union Ministry of Commerce and Industry.
- Ravish Sharma has taken up the role of Deputy CEO & Whole-Time Director. Vedanta ESL. With two decades of experience, he has held several key leadership positions at Bharat Aluminium Company (Vedanta), at Hindustan Zinc (Vedanta) where he managed business development and operational strategies.
- Saunak Gupta has been appointed Chief Financial Officer (CFO), Indian Metals and Ferro Alloys (IMFA). Gupta brings 26 years of experience across Blue Star, Wipro, Berger Paints, and PwC, and his expertise spans mergers & acquisitions and tie-ups.
- Ajay Bhadoo has been appointed as the Chief Executive Officer (CEO), Government e Marketplace (GeM). Currently serving as Additional Secretary in the Department of Commerce, he will take on this role alongside his existing responsibilities.

AWARDS AND RECOGNITION

 Essar Foundation was recognised with the Best Corporate Foundation Award at the 14th World CSR Day & World CSR Congress, bringing together global leaders committed to CSR. Additionally, Dominic Dsouza, COO - CSR, Essar Foundation, received the Most Impactful CSR Leader Award, acknowledging his leadership.



• The Capital Region Urban Transport (CRUT) has been honoured with the 'National Public Bus Transport Excellence Award' in the 'New Initiatives - Digital Practices' category at the ASRTU Awards 2023-24. The award was presented at Jacaranda Hall, India Habitat Centre, New Delhi, with Sahadev Samadhia, General Manager (P&A), CRUT, receiving it on behalf of the organisation.



G-Profi MSI Plus 15W-40 — is a high-performance engine oil developed in accordance with the requirements of the most modern equipment manufacturers. It is designed with high quality base oils and selected additive package that provides excellent engine cleanliness and extended component life under severe loads..



SPECIFICATIONS:

ACEA E7, API CI-4, API SL, Caterpillar ECF-1a, Caterpillar ECF-2, Cummins CES 20076, Cummins CES 20077, Cummins CES 20078, Detroit Diesel DDC 93K215, Deutz DQC III-18, Global DHD-1, JASO DH-1, Komatsu, MACK EO-N, MAN M 3275-1, MB 228.3, MTU Cat. 2, Renault Trucks RLD-2, Volvo VDS-3.



g-energy.org

Enso oils & lubricants — the official partners of Gazpromneft-lubricants products

ENSO OILS & LUBRICANTS

To get more information contact us at: Email: enquiry@ensooils.com

Phone: +91 81084 00004 Website: www.ensooils.com

CURRENT AFFAIRS

Maharashtra Government Directs BMC to Complete Road Concretisation by May 31



The Maharashtra Government has instructed the Brihanmumbai Municipal Corporation (BMC) to complete all ongoing road concretisation work in Mumbai by May 31 and not to undertake any new projects. This decision was taken during a meeting convened by Speaker Rahul Narvekar with Mumbai MLAs to address concerns over alleged mismanagement and irregularities in the road concretisation work.

According to news reports, the meeting also decided that a review of the progress would be conducted by the end of April. Additional Municipal Commissioners have been directed to coordinate with various utility agencies, while assistant commissioners have been tasked with preparing a schedule for the ongoing work. Discussions were also held on assessing the feasibility of using asphalt for smaller roads instead of concrete.

Concerns over cost escalations and advance payments to contractors were also raised, with directions given to provide relevant documents for review.

NHAI Completes Record ₹180 Billion InvIT Monetisation

The National Highways Infra Trust (NHIT), set up by NHAI, has completed its fourth round of fund-raising at an enterprise value of ₹183.8 billion (bn), marking the



largest monetisation deal in India's road sector. This brings NHIT's total realised value across four rounds to over ₹460 bn.

In this round, NHIT secured ₹83.4 bn in unit capital from domestic and international investors and ₹100.4 bn in debt from domestic lenders. The funds will be used to acquire highway stretches in Andhra Pradesh, Uttar Pradesh, Uttarakhand, Gujarat, and Chhattisgarh at a concession value of ₹177.38 bn. Investors subscribed at ₹133.50 per unit, exceeding the Dec 31, 2024, NAV of ₹131.94 per unit.

The issue saw strong demand from pension funds, insurance firms, banks, and investment funds. Notably, EPFO invested ₹20.35 bn—its first-ever InvIT investment—while NHAI subscribed to 15 per cent of the units.

With this round, NHIT will now manage 26 toll roads (41 plazas) spanning 2,345 km across 12 states with concession periods of 20 to 30 years.





CONVEYING CONTINUOUSLY

Belting division of



ELASTOCON CONVEYOR BELTS

Engineered for Excellence. Trusted for Performance.



Performance That Lasts

Built with reinforced fabric for ultimate durability



Precision Engineering

Heat, oil, fire, and abrasion-resistant grades for specific industrial need.



Uncompromised Strength

Designed for heavy-duty construction environments.





Sales@elastoconbelts.com



+91 93031 41006/ +91 90074 77904 +91 98361 49059



WORK ADDRESS

Khasra No. 550, 549/1, 534/3 Vill: Kandarka, Ahiwara Road, Kumhari Durg-490042, Chhattisgarh, India

OFFICE ADDRESS

18, R.N. Mukherjee Road, 8th Floor, Kolkata-700001 West Bengal, India

CURRENT AFFAIRS

L&T Secures Ultra Mega Order for its Offshore Hydrocarbon Business



Larsen & Toubro (L&T) Hydrocarbon Business has won its largest-ever offshore contract from QatarEnergy LNG for the North Field Production Sustainability Offshore Compression Project (NFPS COMP 4).

The contract covers engineering, procurement, fabrication, installation, and commissioning of two offshore compression complexes, each featuring large platforms with compression and power generation facilities, living quarters, flare platforms, and interconnected bridges. These will be located 80 km off Qatar's northeast coast.

"Securing QatarEnergy LNG's Ultra Mega Offshore Contract—the largest single order in our history—is a landmark achievement. This prestigious project strengthens our global energy portfolio while supporting Qatar's energy security objectives. I thank QatarEnergy LNG for placing their trust in L&T to deliver this complex and strategically important project. We look forward to setting new benchmarks in project execution that will reinforce Qatar's position as a global LNG leader," said S N Subrahmanyan, Chairman & Managing Director, L&T.

Asia's Longest Hyperloop Tube (410m)... Soon to Be the World's Longest

India is making significant strides in Hyperloop technology with key developments at IIT Madras and ICF Chennai, Union Minister Ashwini Vaishnaw announced that the electronics component technology for the Hyperloop project will be developed at the Integral Coach Factory (ICF) in Chennai, He visited IIT Madras' Discovery Campus, home to Asia's longest 410-meter Hyperloop test tube, and lauded the indigenous advancements in the project.



The Ministry of Railways has also signed an MoU between RDSO and IIT Madras, securing ₹20.89 crore in funding to establish a Centre of Excellence for Hyperloop technology. This initiative aims to develop a sub-scale model of the Hyperloop pod, a test track, and a vacuum tube facility to validate the futuristic transport system.

During his visit, Vaishnaw highlighted India's leadership in data science, AI, and semiconductors, announcing that the country's first indigenously made semiconductor will roll out by the end of the year.















Running door to door for a Door?

Switch to Fenesta

One Stop Solution. Non-stop Convenience.



RANGE OF SOLUTIONS > uPVC | Aluminium | Doors | Façades

Servicing 900+ Cities

Call: 1800 102 9880 (Toll Free) | © 74286 91568 Email: response@fenesta.com | Visit: www.fenesta.com



CURRENT AFFAIRS

India to Launch World's Longest LPG Pipeline by June



India's state-run refiners will commission the world's longest liquefied petroleum gas (LPG) pipeline by June, aiming to cut fuel transport costs and reduce road mishaps.

The ₹108 billion project, led by Indian Oil, Bharat Petroleum, and Hindustan Petroleum under IHB, will run 2,800 km from Kandla to Gorakhpur. The first phase will be ready by March, with full operations by midyear.

The pipeline will transport 8.3 million tonne of LPG annually, covering 25 per cent of India's demand. It will replace trucks, which still deliver 70 per cent of LPG to bottling plants, reducing accident risks.

India's LPG consumption has surged 80 per cent in a decade to 29.6 million tonne in FY24, driven by government subsidies promoting cleaner cooking fuel.

The project faced delays since 2019 due to pandemic disruptions and material shortages linked to the Russia-Ukraine war. India currently has nearly 5,000 km of LPG pipelines.

Delhi's Biggest RRTS Station Almost Ready as Meerut Metro Trials Kick Off



The Meerut Metro project has reached a key milestone with trial runs now underway between New Ashok Nagar and Sarai Kale Khan, as per an update from NCRTC. Trains are being tested at speeds of up to 120 km/h, moving the project closer to operational readiness this year.

Sarai Kale Khan, the largest station on the Delhi-Ghaziabad-Meerut Namo Bharat corridor, is expected to be completed by April. As a major transportation hub, it will seamlessly connect Hazrat Nizamuddin Railway Station, Delhi Metro's Pink Line, Veer Hageegat Rai ISBT, and Ring Road, enhancing regional connectivity.

The 23 km stretch features 13 stations, including three underground stations—Meerut Central, Bhaisali, and Begumpul—while the rest are elevated. Civil construction is nearing completion, with station finishing progressing rapidly. Additionally, trial runs have commenced on a new 6 km stretch between Meerut South and Shatabdi Nagar, marking another step forward in India's first local train service on Namo Bharat infrastructure.





inspire possibilities

THEN

Now Also

Even then, Jindal Aluminium, a leading player in the downstream Aluminium industry, had made significant contributions to the building and construction sector. With its high-quality engineered Aluminium products and solutions, it has revolutionized the industry.

Also now, its innovative designs and advanced manufacturing technique is enabling the construction sector to create modern, eco-friendly structures that are not only visually appealing but also environmentally responsible.

Quality Engineered Aluminium for Building & Construction Sector

CURTAIN WALL | FACADE SYSTEM | LOUVER | GLAZING | SCAFFOLDING | DOOR & WINDOW

We use

Iconic Brand of India, 2023 | Brand of the year, 2024 ISO 9001:2015 | ISO 45001:2018 | PED by HSB Global Standards, UK







renewable energy

for manufacturing

@ Bengaluru and Dabaspet units





CURRENT AFFAIRS

India's Data Centre Boom Drives \$6.5 Billion Investments, Al Growth



India's data centre (DC) industry has secured over \$6.5 billion in investments through private equity, joint ventures, and acquisitions between 2014 and 2024, according to ANAROCK Capital's latest report. With exponential growth, IT power capacity surged by 139 per cent—from 590 MW in 2019 to 1.4 GW in 2024.

Mumbai and Chennai dominate the sector, accounting for 70 per cent of India's total IT power capacity, with Mumbai alone contributing 49 per cent. These cities saw record-breaking supply growth between 2022 and 2024—92 per cent in Mumbai and 340 per cent in Chennai. Other key markets include Noida (9 per cent), Bangalore (8 per cent), Pune (5 per cent), and Hyderabad (4 per cent). India has also become a hotspot for hyperscalers adopting the 'own-andoperate' model, with 440 acres of land acquired in Hyderabad (69 per cent), Mumbai (22 per cent), and Pune (9 per cent) over five years.

Al is expected to drive the next wave of DC growth, demanding liquid cooling, higher rack densities, and enhanced floor loads.

Indian Cement Industry Charts Net-7ero CO2 Roadmap for 2070



India's cement industry, the world's secondlargest producer with an 8 per cent global share, has unveiled a roadmap to achieve net-zero CO2 emissions by 2070. Developed by the Global Cement and Concrete Association (GCCA) India in collaboration with The Energy and Resources Institute (TERI), the roadmap aligns with India's Net-Zero 2070 target and Nationally Determined Contributions (NDCs).

With per capita cement consumption at 257 kg—far below the global average of 540 kg—the sector plays a vital role in the economy, generating 20,000 downstream jobs per million tonnes produced. The roadmap was crafted with input from key stakeholders, including industry leaders, architects, engineers, R&D institutions, and academia. The European Cement Research Academy's global net-zero framework served as the foundation for auantifying decarbonisation levers. The initiative aims to drive sustainable practices and policy support to transition the sector towards a low-carbon future.





Discover CWoW. where 80% of India's construction experts connect for growth and opportunities.



Don't miss out



MATERIALS HANDLING EQUIPMENT Construction Series





150 TON PRE CAST SLAB HANDLING WITH 75 T X 2 CRANES

PRE CAST MOULD





Retaining Wall Moulds







» Pre Cast Gantry Cranes » Hoist » Winch » Transfer Car » Rubber Tyre Gantry Cranes (RTG)

Contact on: +91-98751 39466

E-mail: salesho@tacklers.in | **Website:** www.tacklers.in

TACKLERS ENGINEERING PRIVATE LIMITED

Registered & Corporate Office: Plot No. 5,6,7 Devraj Industrial Park, Piplaj-Pirana Road, Piplaj. Ahmedabad - 382405. India. Plant 2: Plot No. 613, Phase IV, G.I.D.C, Vatva, Ahmedabad - 382445. India







Plant 3: Plot No. 508, Sompura Industrial Area, Dobaspet, Bengaluru - 562111. India



FUTURE-READY STATIONS!

CW's journey through the redevelopment of railway stations uncovers design trends, and is loaded with advice for prospective bidders!

No less than 1,337 railway stations across India are proposed to be redeveloped under the Amrit Bharat Station Scheme. These redesian and redevelopment projects will upgrade amenities for train travellers, introducing passenger-friendly features such as barrier-free movement, seamless multimodal connectivity and smart, digital infrastructure. They will also make stations more sustainable, by incorporating renewable energy sources, energy-reducing passive design principles, and scalable, modular and adaptable designs. In all this, seamless urban integration is a priority. Essentially, the goal is to create future-ready transit hubs that also reflect regional architectural identities so as to merge into the cityscape, and be so well designed that they become tomorrow's urban landmarks.

So far, tenders have been awarded and work has commenced in 1,198 railway stations. But the scale of redevelopment per station differs enormously. Thus, whereas Begumpet is getting new mobility solutions (escalators and lifts) and amenities such as a waiting area, a new ticket booking window and parking at a cost of ₹26.55 crore, Ahmedabad (Kalupur) station is getting new multilevel parking, road





"A rating can deliver, at the most, a 40 per cent decline in the consumption of electricity

and a 30 per cent decline in the water consumed in stations."

- Saurav Choudhury, Counsellor -Green Built Environment, Architect & Urban Planner, CII-IGBC

connectivity, a new concourse and other amenities costing ₹2,383 crore. Six redeveloped railway stations have been commissioned so far.

"A thorough site analysis helps assess geography, infrastructure

QUICK BYTES

- 1,337 stations set for redevelopment under **Amrit Bharat Station** Scheme.
- 1,198 stations tenders awarded, work in progress.
- 6 stations commissioned.
- 960+ stations solarised, enhancing selfsufficiency and national solar goals
- 100+ stations under CII's Green Rating initiative; 41+ certified

and transportation networks, identifying potential challenges and opportunities," says Rajesh Chaabra, Executive Director, Transportation, Egis South Asia. "Extensive stakeholder consultations with local authorities, transportation operators and the community ensure that the design meets both current and future needs. Optimising layouts for smooth passenger flow, efficient space usage and seamless user experiences, with particular attention to accessibility features, are a key priority."

CW identifies trending features of India's upcoming world-class terminals that promise to transform rail passenger experiences.

Mixed-use development

One of the biggest shifts we are



"Selfcleaning façades made of anti-smog tiles and kinetic

paving may play a role in next-generation stations."

- Prof Charanjit S Shah, Founder & Principal, Creative Group

observing is the move toward transit-oriented and mixed-use developments, making stations more than just transit hubs by integrating retail, commercial, and public spaces, according to Nishant Prakhar, Senior Architect & City Planner, GPM Architects & Planners.

Such high-density development around the station, in turn, reduces urban sprawl and promotes walkability. "The goal is to transform railway stations into self-sustaining urban nodes, reducing dependency on standalone transport functions and encouraging economic activity," points out Dikshu Kukreja, Managing Principal, CP Kukreja Architects, citing Gomti Nagar Lucknow Railway Station, which is strategically located in a commercial district, as a good example of a station where integrating mixed-use functions would enhance connectivity and urban vitality.

The decision to redesign a station as a mixed-use development or as a pure transit hub must be based on a careful analysis of the passenger traffic, the surrounding urban fabric (location), commercial viability and future growth projections. In that context, Prakhar says, "stations sitting in the heart of a bustling city or a growing economic corridor are particularly suited for redesign as a

COVER STORY



Gandhinagar Railway Station, redeveloped under a PPP model, features a landmark five-star hotel above it.

mixed-use destination that will catalyse urban regeneration."

A step further, "daily commuter volumes and peak-hour analysis help determine the scale of commercial activity required, and the long distance versus local commuter ratio will help determine the station's need for amenities like hotels, business lounges and coworking spaces," explains Prof Charanjit S Shah, Founder & Principal, Creative Group. "Dwell time and behavioural studies inform the type of commercial offerings."

In major metropolitan areas such as Delhi, Mumbai and Benaaluru, where land is scarce and commuter traffic is high, integrating commercial spaces, offices and hotels within the station complex optimises land use. In such highdensity urban cores, Shah proposes prioritising vertical development, incorporating multistorey retail and office spaces above concourses.



"Segregating arrival and departure areas avoids conflicts in passenger movement."

- Nishant Prakhar, Senior Architect & City Planner, GPM Architects & Planners

If a station is in a rapidly urbanising area, incorporating retail and business zones can stimulate local economies. "In expanding suburban areas, railway land banks can be leveraged for integrated townships or logistics hubs," says Shah. In Tier-2 and Tier-3 cities, stations often serve as economic hubs.

For instance, the Ahmedabad Railway Station redevelopment includes commercial and office spaces to cater to its high-volume passenger flow, integrating retail with transit.

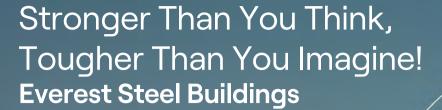
Yesvantpur Railway Station in Bengaluru, a key transit hub in a rapidly growing metropolis, is also being redeveloped into a worldclass facility while maximising its commercial potential. "We've introduced state-of-the-art passenger amenities, retail spaces and food courts," shares Prakhar.

Heritage stations can also gain from mixed-use development, suggests Shah. "Despite constraints, they can still incorporate the adaptive reuse of old structures for boutique retail, cultural centres or hospitality." For instance, the Habibgani (Rani Kamalapati) Railway Station in Bhopal has been developed with commercial spaces, food courts and premium lounges while maintaining operational efficiency.

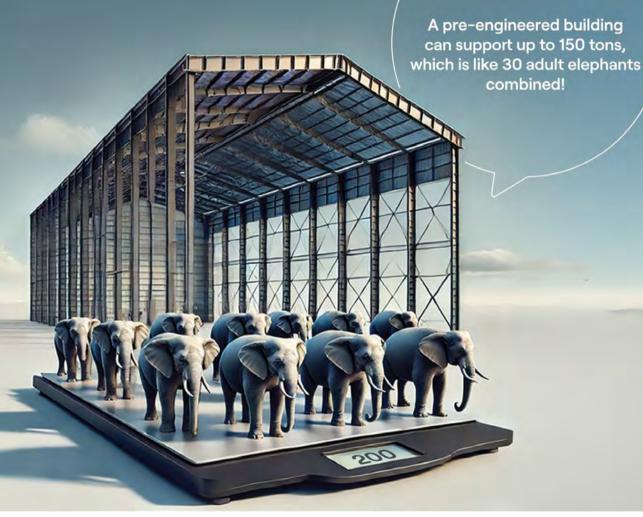
However, Shah cautions against blatant, intrusive commercial

everest

Steel Building Solutions







We build standout steel structures with unbeatable efficiency.

From industrial warehouses to commercial spaces

we guarantee flawless execution every time!

Scan this QR

to know more

FACTORIES

HANGARS

WAREHOUSES

SPECIALITY BUILDINGS

LOGISTICS

MULTI-STOREY PROJECTS



COVER STORY





"Design and execution complexities are among the biggest challenges in implementing railway station projects."

- Khoobi Mehta, Executive Director, Girdhari Lal Constructions

Stations at the heart of bustling cities or economic corridors thrive as mixed-use hubs, driving urban regeneration.

integration if the station holds historical significance such as Howrah Station or Chennai Central. "In stations with lower passenger density, standalone redevelopment focused on basic amenities may be more practical," he says. "And stations near ecologically fragile zones such as hill stations and coastal belts should prioritise low-impact development over large commercial projects."

Multimodal integration

Multimodal integration is an important factor correlated to the feasibility of mixed-use projects, as it ensures higher footfall throughout the day. Shah cites Mumbai's Chhatrapati Shivaji Maharaj Terminus as a good example.

At the Andheri Railway Station, a critical suburban hub in Mumbai, which is being redeveloped into a 'railopolis', a mini smart city, decongesting passenger movement while improving connectivity

Passive lighting design strategies, such as the use of glazed façades, reduce dependency on artificial lighting and improve commuter comfort.



"Introducing a two-level concourse represents a major shift in how Indian railway

stations are being reimagined."

- Vipul B Varshneya, Co-Founder, Sthapati

between platforms and the metro station was a key focus. "A major intervention was the expansion of foot overbridges and skywalks, which provided direct connectivity to metro services, reducing groundlevel bottlenecks," says Vipul B Varshneya, Co-founder, Sthapati.

Segregated arrivals and departures

In the redevelopment of Secunderabad Railway Station, a key challenge was managing high passenger footfall while improving circulation and efficiency, and reducing congestion.

Secunderabad is one of India's busiest railway stations, serving as a critical junction in South India with a mix of long-distance, suburban and intercity trains. So, Sthapati, the architectural firm designing and building the redeveloped station,





I give the best filter for my Equipment. Do you?





When you do your best day after day, you should settle for the best. For decades MANN+HUMMEL has been supplying Original Equipment filters to the world's leading manufacturers of construction machines. For these customers, only the best will do in terms of quality and performance. So it is good to know that the same engineering and quality are exclusively available with our MANN-FILTER brand. Investing in the OE quality of MANN-FILTER provides immediate, optimum engine protection and peace of mind. As a professional, do not settle for anything but the best!

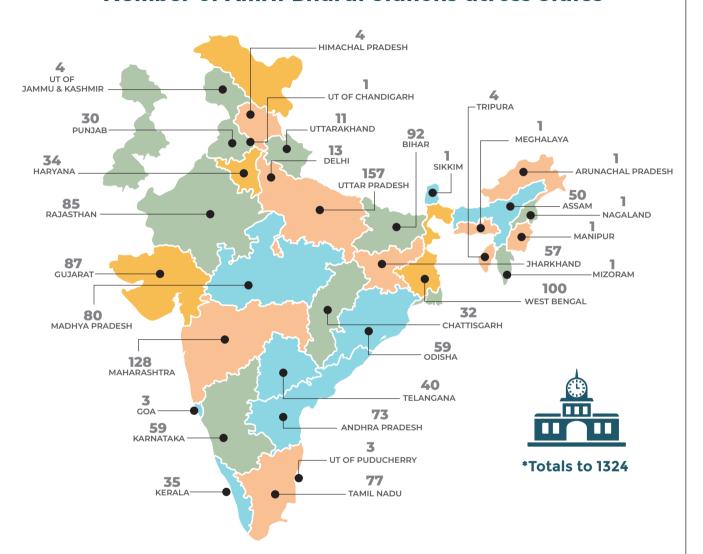
MANN-FILTER - Perfect parts. Perfect service.

www.mann-filter.com

For enquiries contact: office.india@mann-hummel.com, +91 89046 18457

COVER STORY

Number of Amrit Bharat Stations across States



introduced an elevated concourse for departures, accessible via escalators, elevators and staircases. The lower concourse facilitates arrivals. "This design enhances safety and streamlines operations. similar to how modern airports function," elaborates Varshneya. "Introducing a two-level concourse represents a major shift in how Indian railway stations are being reimagined – moving towards efficient, high-capacity and

passenger-friendly transit hubs that are future-ready while integrating sustainable and technology-driven solutions."

The segregation of arrivals and departures is also a feature of the Tirupati and Yesvantpur redeveloped station designs. In Tirupati, three new platforms were added to cope with the expected doubling of footfalls over the coming decades, shares Prakhar, alongside segregating the arrival

and departure areas to avoid conflicts in passenger movement and creating an expansive waiting zone above the tracks.

In Yesvantpur, "a new concourse over the tracks connects the east and west station buildings, improving connectivity and streamlining circulation," adds Prakhar. "Arrival zones on both sides of the tracks enable the smooth and seamless exit of arriving passengers. The departure building comprises

SRMB*





CHAMPIONS KI PASAND



Strength, resilience, and performance—the very values that define SRMB. Because when it comes to building a legacy, only champions know what it takes.

















Habibganj (Rani Kamalapati) Railway Station in Bhopal features commercial spaces, food courts, and premium lounges.

ticketing areas and waiting halls for different categories of passengers."

Sustainability matters

Sustainability, one of the key guidelines for the redevelopment of railway stations, is being worked into stations through renewable energy, water conservation techniques and green building materials and design.

To become self-sufficient in its power needs and contribute to the national solar power targets, Indian Railways has successfully solarised over 960 stations, such as Varanasi, New Delhi, Old Delhi, Jaipur, Secunderabad, Kolkata, Guwahati, Hyderabad and Howrah, and placed orders for a 198 mw solar rooftop capacity across 550 stations, which are currently under development, shares Saurav Choudhury, Counsellor - Green **Built Environment, Architect &** Urban Planner, CII-IGBC. "Solar plants with a total capacity of 20 gw are proposed to be installed on vacant land by 2030."

Wind turbines have been installed in Jaisalmer, Tamil Nadu and Sangli. The next couple of years will see 200 mw of wind energy plants being installed in Tamil Nadu, Gujarat, Rajasthan and Karnataka.

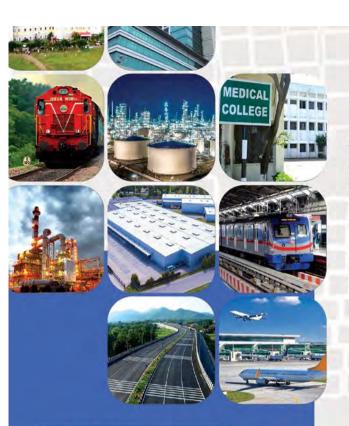
Redevelopment projects such as the Andheri and Secunderabad railway station projects incorporate solar panels, rainwater harvesting and green landscapes, Varshneya tells us. "Both the Andheri and Secunderabad stations are GRIHA-certified."

Passive design principles, such as natural ventilation, passive cooling and optimal orientation, will enhance comfort in Lucknow's Gomti Nagar's Railway Station while minimising energy consumption, says Kukreja. The redevelopment of Lucknow's Gomti Nagar Railway Station includes a south-side terminal upgrade, a newly constructed north-side terminal, enhanced railway platforms, and expanded vehicular access and parking facilities. "Smart design strategies, including BMSenabled resource management, green paving and landscaped gardens, further enhance sustainability and improve operational efficiency."

Passive lighting design strategies, such as the use of glazed façades, reduce dependency on artificial lighting and improve commuter comfort, adds Varshneya. "Incorporating green landscapes in and around the station helps mitigate heat and improve air quality."

CP Kukreja Architects assesses sustainability metrics to ensure that materials, spatial planning, and energy-efficient solutions align with long-term environmental goals. Smart technologies further support a holistic and future-ready approach to station redevelopment.

According to Chaabra, supervisory control and data acquisition (SCADA) and BMS will support sustainability in upgraded railway stations by enabling real-time monitoring and management of various systems. Egis design teams are deployed in the Rail Land Development Authority office to support the design and review of various station development projects. With an EcoVadis Gold sustainability rating, Egis is recognised as

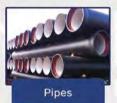


HUZCO

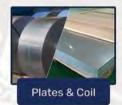
ZHuzoor Infratech Private Limited is redefining how materials are sourced and supplied. By offering top-quality materials at competitive seamless logistics and flexible financing , ZHuzoor is quickly becoming the go-to marketplace for businesses across the industries.





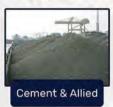












COMPLEXITIES

SIMPLIFYING PROCUREMENT

Logistics &

Finance

VALUE PROPOSITION

111

Approved Vendors/

Manufacturers

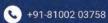
- Ease of Material Sourcing
- Best Price & Quality
- Frictionless Logistics
- Flexible Financing Terms
- Digitization

FOR ANY **QUERIES** -





enquiry@zhuzoor.com









Customer

Site











COVER STORY

a alobal leader in sustainable rail infrastructure.

Assessing greenness

With the support of the **Environment Management** Directorate of Indian Railways, the CII-Indian Green Building Council for Indian Railways developed and launched the Green Railway Stations Rating System in 2016 to address the impact of the design, construction, operation and maintenance of railway stations on the environment, especially health, hygiene, sanitation, energy and waste management, and commuter experience.

"A rating can deliver, at the most, a 40 per cent decline in the consumption of electricity and a 30 per cent decline in the water consumed in stations," says Choudhury. In that context, an annual saving of 22 million kWh of electricity and 3 billion litre of water was logged in the first 30 railway



"Project leaders often face multiple logistical challenges, including but not limited to.

project timelines, budgets and supply chain disruptions."

- Rajeev Bansode, Assistant Vice President, Ahluwalia Contracts (India)

stations to become green, translating into a ₹40 crore cost reduction. Further, improved first and last-mile accessibility, better ventilation, safety and access for the differently abled and the elderly are some benefits to commuters from green stations.

Considering that each of India's 425 non-suburban group (NSG 1-4) railway stations logs about 1,500 tonne of carbon emissions

annually. Choudhury says the total potential to reduce carbon emissions is substantial.

CII is working with more than 100 railway stations and has facilitated 41 railway stations to achieve the Green Railway Stations Rating so far. Railway stations in Coimbatore, Secunderabad, Asansol, Jaipur and Visakhapatnam have achieved Platinum rating.

Material palette

The choice of materials for the different components of the station is driven primarily by safety, durability and compliance with Indian Railways' specifications, according to Khoobi Mehta, Executive Director, Girdhari Lal Constructions. "Every material used in the construction of a development project must be approved by Indian Railways, to ensure it meets the rigorous standards set by the authority."

The push for sustainability



Gomti Nagar Railway Station blends Awadhi heritage with contemporary arches and curvilinear roofs, complementing its historic surroundings.





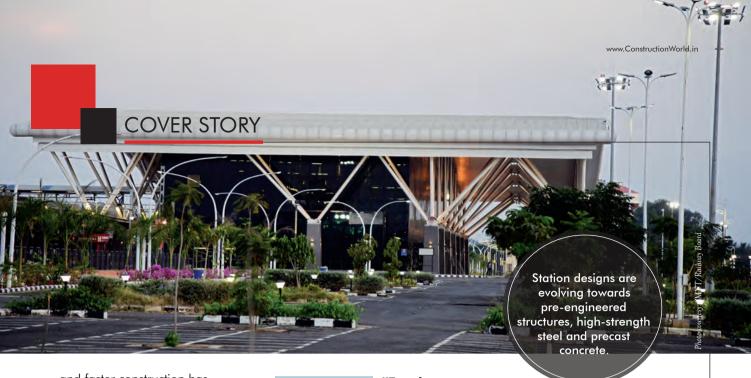
www.ace-cranes.com

Action Construction Equipment Ltd.

Mail: marketing@ace-cranes.com, Ph.: 0129-4550000 (100 Lines)

| Cranes | Loaders | Forklifts | Road Equipment | Piling Rigs | Agri Machinery





and faster construction has influenced these material choices. "Materials like recycled steel, low thermal concrete and perforated concrete screens are being adopted to enhance durability while reducing environmental impact," says Kukreja.

In Naya Raipur, the material palette included glass fibrereinforced concrete panels and perforated façades for shading, says Shah, while also citing high albedo coatings, which help to minimise heat gain, and skylights, clerestory windows and shading devices, which help to reduce artificial lighting and cooling loads.

According to him, evolving station designs will likely see a dominance of pre-engineered structures, where materials such as high-strength steel, precast concrete and laminated timber will become preferred choices owing to faster construction timelines. "Preengineered structures are best suited for terminal-style mega stations, akin to airport-like terminals, with expansive, unobstructed concourses, retail areas and modern lounges, which we're seeing more of. Preengineered structures with largespan steel trusses and tensile roofing, creating column-free, airy spaces, was our choice for Naya Raipur (and similar stations)."

Sthapati also opted for a pre-



"For the **Avodhva** Dham Junction, materials were intentionally

gathered from various states, so that the station embodied the unity and diversity of India."

- Shashank Gupta, Managing Director, N S Associates

engineered building structure in Secunderabad for faster construction and modular adaptability.

Further, Shah says steel and glass will play a key role in creating wide-span structures with maximum daylight penetration; precast concrete and glass fibre-reinforced concrete panels will help speed up construction and improve durability; tensile fabrics and ethylene tetrafluroethylene (ETFE) membranes roofing will allow diffused natural light and reduce energy consumption; and locally sourced stone and bamboo will bring in a regional identity while lowering the carbon footprint.

He also sees scope for self-cleaning façades made of anti-smog tiles and kinetic paving (which generates energy through footfall) to play a role in nextgeneration stations.

Preserving heritage

Contextual design has emerged as a buzzword across station redevelopment projects, in the light of the Amrit Bharat Station Scheme guidelines encouraging the conservation of heritage.

"Contextual design ensures that the transformation reflects the local architectural heritage and cultural identity," explains Varshneya. "Rather than imposing modernisation for the sake of change, the idea is to prioritise architectural continuity, ensuring that stations evolve as contemporary transport hubs while remaining deeply rooted in their local identity."

By thoughtfully blending heritage and modernising it, railway stations can serve as cultural landmarks that honour their surroundings while embracing progress.

For example, Sthapati's design for the Bangalore Cantonment station is inspired by the city's Garden City moniker. The station incorporates floral motifs within its supporting columns, while the façade subtly references Karnataka's musical heritage by including elements resembling the sitar.

Lucknow's Gomti Nagar Railway Station's design incorporates traditional Awadhi

propel^s

COMPLETE CRUSHING, SCREENING & WASHING SOLUTIONS



PROFAST JAW PRFMJ Series

PROFAST CONE

PRFMC Series





PROFAST CONE

PRFMQ Series



PRFMV Series



Feeders | Crushers | Impactors | Screens | Washing System | Classifiers | Mobile & Semi Mobile Series

+91 99940 60001 | +91 99940 60002 | marketing@propelind.com | www.propelind.com

COVER STORY



Supervisory control and data acquisition (SCADA) and BMS enables realtime monitoring.and management of various systems

architectural elements, such as contemporary arches and curvilinear roofs, harmonising the station with its historic surroundings, shares Kukreja.

"Tirupati station's iconic form is inspired by the grandeur of Dravidian temple architecture to resonate with the identity of the place and make it more than just a transit hub – a gateway that welcomes millions every year," savs Prakhar.

Baleshwar Station in Odisha is designed on the theme of the Jagannath Temple; Sikkim's Rangpur will carry the imprint of local architecture; Sangner Station in Rajasthan displays 16th-century hand-block printing: the station at Kumbakonam in Tamil Nadu will display the Chola influence: Ahmedabad Station is inspired by the Modhera Surya Mandir; and Dwarka Station is inspired by the Dwarkadheesh Temple.

Conserving heritage also takes the form of using local materials. For example, Rajasthan's stations

may integrate jaali screens inspired by havelis, while Kerala's may feature sloping roofs inspired by Nalukettu houses, and those in Bengal could use terracotta cladding or motifs referencing colonial heritage, says Shah. "In Naya Raipur, we considered elements that evoke Chhattisgarh's heritage – subtle motifs from tribal art, local stone textures, laterite stone cladding and a façade treatment that blends tradition with modernity."

In Ayodhya, the transformation of the junction was much more than a functional upgrade to strengthen the railway infrastructure in anticipation of the growing influx of pilgrims and tourists. It aimed at honouring the city's spiritual and cultural legacy, to ensure that the station reflects its enduring historical and religious significance. To this end, Shashank Gupta, Managing Director, NS Associates, which was entrusted with the Ayodhya Dham Junction, says, "Careful consideration was given to the materials used in construction.

Bansi Paharpur stone, the same stone used to construct the Ram Mandir, was chosen for its symbolic importance. Calcium silicate tiles were sourced from Bengaluru, while the high volume, low-speed fan installed in the station's central section was procured from Gujarat. Materials were intentionally gathered from various states, so that the station embodied the unity and diversity of India."

Bidding pitfalls

Bidding for station redevelopment projects is competitive business, especially, as Varshneya says, in the light of greater globalisation.

"A bidder must understand the urban vision," emphasises Shah. For instance, Naya Raipur is a planned smart city and, so, the Creative Group's focus was on integrating the station with multimodal transport, ensuring that it aligns with the city's master plan.

"A bidder must also lay stress on design innovation, proposing a futuristic design that is sustainable through climate-responsive architecture, and economic viability through revenue models such as commercial leasing, hospitality integration and transit retail," he continues. A case in point is Gandhinagar Railway Station, redeveloped under a PPP model with a five-star hotel built above the station, a landmark in transitbased hospitality.

Collaboration is a vital skill for a bidding firm, especially in projects where the scope demands skills beyond the firm's specialisation. Varshneya cites the example of the Secunderabad station redevelopment project, a designand-build approach. Unlike design-focused station redevelopment projects,





The WIRTGEN GROUP at Bauma 2025:

Discover the in-depth expertise and experience of the WIRTGEN GROUP with Smarter, Safer and More Sustainable technologies at Bauma in Munich from April 7-13, 2025.

> www.wirtgen-group.com/india

WIRTGEN INDIA SARATHI 1800-267-2600

E-mail: sales.india@wirtgen-group.com

WIRTGEN VÖGELE HAMM KLEEMANN

COVER STORY

Amrit Bharat Station Scheme



Dilip Kumar

The Amrit Bharat Station Scheme aims at improving amenities at stations, such as station access, circulating areas, waiting halls, toilets, lifts/escalators as necessary, cleanliness, free Wi-Fi, kiosks for local products through schemes like 'One Station One Product', better passenger information systems, executive lounges, nominated spaces for business meetings, landscaping, and so on, keeping in view the necessity at each station, says Dilip Kumar, Executive Director (Information & Publicity), Railway

Board. "The scheme also envisages improvement of building, integrating the station with both sides of the city, multimodal integration, amenities for Divyangians, sustainable and environment-friendly solutions, provision of ballast-less tracks, 'Roof Plazas' as per necessity, phasing and feasibility and creation of city centres at the station in the long term."



"Mixed-use development reduces dependency standalone transport

functions and encourages economic activity. "

- Dikshu Kukreja, Managing Principal, CP Kukreja Architects

Secunderabad needed "strong construction partners understanding the complexities of executing large-scale infrastructure projects in a brownfield environment.Our design team collaborates closely with our construction partners, going the extra mile to bring these ambitious projects to life."

Coordinating with multiple stakeholders such as railway authorities, urban development bodies and private investors can present challenges, cautions Shah. "Other challenges associated with bid projects are land acquisition and zoning regulations that impact station expansion and mixed-use

integration, balancing heritage conservation with modern needs, and financing and PPP models."

Another challenge encountered by contractors bidding for projects across various railway departments is variations in criteria for similar works, according to Mehta. "In some cases, tender documents have contained inconsistencies or lacked detailed drawings at the time of bidding, leading to differing interpretations. The availability of only basic drawings often necessitates assumptions, which can sometimes result in significant variations in bidding amounts between L1 and L2."

Mehta suggests allowing drafting agencies more time and authority to develop comprehensive tenders that clearly outline project requirements and structural considerations. In EPC contracts, she notes, "engineering is sometimes conflated with design. Modifications in scope, tender drawings or requirements can lead to project delays, increase the likelihood of execution errors, necessitate rework and impact resource efficiency. The

unavailability of old drawinas and plans, especially for electrical cables and services complicates the execution."

Mehta also observes that while "setting high standards for the pre-qualification criteria ensures that the work is awarded to an experienced agency, if the specification is too narrow, it limits competition and defeats the purpose of tendering, that is, the optimal allocation of public funds."



"SCADA and **BMS** will support sustainability in upgraded railway stations by

enabling real-time monitoring and management of various systems."

- Rajesh Chaabra, Executive Director, Transportation, Egis South Asia

At the end of the day, bidding can be both an insightful and transformative experience for all those involved in the process, which can help them deliver better to the nation. "Bidding has deepened our understanding of the nuanced needs of rail infrastructure balancing operational efficiency with the evolving expectations of modern travellers," says Prakhar. "It has also reinforced the potential of railway land as a catalyst for urban growth, where thoughtful integration of commercial and public spaces can drive long-term value."

Implementation challenges

Design and execution complexities are among the biggest challenges in implementing railway station projects, says Mehta of

META200 SENSE THE DIFFERENCE

meta200 brings an all-round premium experience to your building with classy cabins, smooth ride and utmost safety.

Toll free number: 1800 102 8500 in.info@tkelevator.com

00 4

COVER STORY



Ayodhya Junction's transformation goes beyond infrastructure, preparing for a growing wave of pilgrims and tourists.

Girdhari Lal Constructions, which is implementing the railway station redevelopments in Nagpur, Secunderabad, Yesvantpur (Bengaluru), Surat and Jaipur.

Rajeev Bansode, Assistant Vice President, Ahluwalia Contracts (India) Ltd, a veteran of the construction industry, has personally worked on airport and stadium projects but redeveloping an operational railway station is, in his words, "something else altogether insofar as a construction project is concerned", essentially because "railway operations can't be fully halted".

"Working within live railway environments necessitates clearances from authorities, which, in turn, requires careful coordination with local authorities and Indian Railways," says Mehta. "Since the approval process is aligned with the Railways' effort to

minimise disruptions to passengers, we have faced delays in getting approvals for site access and partial permissions for work areas, which have affected our ability to proceed as planned. Occupied areas around the stations are often congested or not cleared for work, which delays getting clear and uninterrupted access to the construction sites."

Clearances to start work come as block permissions. Thereafter, the contractor must follow every applicable safety protocol. "The focus must be to de-electrify the overhead equipment before each block, and take precautions to ensure the safety of passengers and crew, keeping in mind the Railway Safety Board Guidelines," says Bansode.

In Ayodhya, N S Associates effectively addressed this challenge by "strategically installing height barricades and overhead platforms, optimised to meet operational needs," says Gupta. "A dedicated team of marshals was deployed to maintain a constant, vigilant presence, ensuring the smooth and uninterrupted movement of scheduled trains."

N S Associates "experienced collaborative authorities, who, along with the RITES team. navigated the complexities with utmost efficiency, ensuring that clearances and permits were never roadblocks, and were processed without any hindrance," he adds.

Further, since the blocks are of a finite time, for few hours to, say, 10 days, multiple teams and additional equipment must be deployed to work through the allotted time, adds Bansode.

"Implementing night shifts and phased construction are vital to minimise disruptions to the movement of passengers and train



JSW Neosteel pure TMT bars form the foundation of India's rapidly expanding metro network. Forged through rigorous primary steel manufacturing processes at our state-of-the-art facility, these technologically advanced bars are built to endure the demands of high-speed, high-capacity transportation, enabling engineers to lay the tracks for a connected India.

Choose JSW Neosteel, the trusted partner for India's enduring infrastructure.

Proud partner to prestigious metro projects

Mumbai, Bengaluru, Chennai, Delhi, Hyderabad, Jaipur, Kochi, Kolkata, Pune, Nagpur, Indore, Bhopal, Lucknow, and Ahmedabad.

Advantages:



Consistent Quality



Highest Level of Purity



Best Bonding with Cement









To become self sufficient in its power needs and contribute to the national solar power targets, Indian Railways has solarised 960 stations.

operations," says Mehta.

In redeveloping the Chandigarh railway station, which has a daily footfall of 35,000 to 40,000 passengers, Ahluwalia Contractors (India) has deployed two 80-m radius, 64-tonne capacity tower cranes designed to position materials on the hard-to-access middle platform, bogie flat railcarrying wagons to transport steel and other heavy materials, tough riders and mini excavators and material handlers to work in restricted spaces, and 400-500 m pipelines to place concrete.

The Chandigarh station redevelopment involves the restoration of the existing station buildings, revamping of the platforms and the construction of a building on the other side of the tracks, a concourse with a span of 80 m by 72 m over the tracks to connect the buildings, two foot overbridges connecting the Chandigarh and Panchkula Ends to the platforms, a parking area on each side, sewage treatment plants and a plant room. A roof with a span of 180 m by 80 m will cover the concourse, the platforms and the two foot overbridges.

"Managing logistics in such high-impact projects requires strategic planning along with effective and efficient communication with stakeholders," says Bansode. "Project leaders often face multiple logistical challenges including, but not limited to, project timelines, budgets and supply chain disruptions."

What stands out is that projects of such scale have never been taken up before in India, and so, according to him, no contractor has prior experience to anticipate the logistical challenges that would arise during their implementation. Chandigarh, a 'lighthouse' railway station redevelopment project, has helped bring the logistical challenges to the attention of

other contractors.

Then, before starting any fabrication, designs must be validated; this requires legal provisions to be interpreted, to ensure that the regulatory requirements of the Research Designs and Standards Organisation are strictly adhered to, adds Bansode.

Solutions to assist

At Ahluwalia Contractors (India), BIM, Tekla and ETABS solutions have helped streamline the precise resource planning essential for project execution.

Girdhari Lal Constructions is using BIM to create detailed, data-rich digital representations of the railway stations, including both the physical and functional characteristics, says Mehta.

At N S Associates, an ERP system integrates every stage of the construction process, offering real-time progress tracking at a glance, shares Gupta. "During the pandemic, this ERP system became seminal in supporting remote work, enabling staff to monitor site requirements, place orders, and access progress charts and drawings effortlessly. Collaborative discussions were streamlined and we further enhanced functionality by utilising Google tools like Sheets for data management and BIM software for comprehensive project oversight."

Truly, station redevelopment is a challenging vet exciting frontier of urban infrastructure - one that will touch the lives of millions of Indians.

- CHARU BAHRI



Create your corporate / brand videos with ASAPP Studios - Scan to know more!





India's Lightest & Robust Strength Trailer and Tip Trailer

- Robust Build
- Patented Design
- Versatile Cargo Handling
- AIS -113 Certified
- Safety Assurance
- Effortless Unloading













Indian Cement Review Awards

The forum brought together industry leaders in March 2025, to discuss profitable growth and innovation in the cement sector.



The jury stands tall whilst unveiling the Indian Cement Review Special. (Left to Right): Pratap Padode, Founder & Editor-In-Chief, Construction World; Dheepan Ramalingam, MD, Ringfeder Power Transmission; Sumit Banerjee, Director, JSW Cement and Former MD, ACC | Board of Governors, FIRST Construction Council: Anupama Reddy, VP and Co-Group Head, Corporate Ratings, ICRA; KN Rao, Corporate Head EHS, AFR Energy Sustainability, My Home Industries; Ulhas Parlikar, Global Consultant (Strategies for waste management, circular economy, policy advocacy, AFRs); Goverdhandas Daga, Director, Secmec Consultants; Manoj Rustagi, Chief Sustainability Officer, JSW Cement; Kaustubh Phadke, India Head, Global Cement & Concrete Association (GCCA); Sudeshna Banerjee, MD, PS Digitech-HR (India).

The FIRST Construction Council, in collaboration with Indian Cement Review (ICR), hosted the 8th Indian Cement Review Awards at Taj Krishna, Hyderabad, on March 5-6, honouring industry contributions to nation-building. The event was supported by the CMA, GCCA, GeM, BMTPC, IIMM, and Shell India Markets, alona with Tata Steel, Ripik Technology, and Star Cement.



Dr. Ravindra Gettu, V.S. Raju Chair Professor, IIT Madras (centre), received the Lifetime Achievement Award (Academic).



(2nd from right) Punnose P. John, Zonal Head -Technical Services, South Zone, UltraTech Cement, received the Second Fastest Growing Cement Company award in the Large Category.



(In the centre) Raju Ramachandran, Head of Manufacturing for East, Central, Safety & Sustainability, Nuvoco Vistas Corporation, received the Third Fastest Growing Cement Company award in the Large Category.



(2nd from right) Nilesh Narwekar, CEO, JSW Cement, received the Fastest Growing Cement Company award in the Medium Category.



Naveen Kumar Sharma, Whole-Time Director, JK Lakshmi Cement (centre), received the Third Fastest Growing Cement Company award in the Medium Category.



(2nd from right) Manish Dua, President - Sales & Marketing, Orient Cement, received the Third Fastest Growing Cement Company award in the Medium Category.



(2nd from right) Naveen Sharma, Senior VP, Shree Digvijay Cement, received the Second Fastest Growing Cement Company award in the Small Category.



K. Ramakrishna, Senior President, KCP (centre), received the Third Fastest Growing Cement Company award in the Small Category.



Roopa Bhupatiraju, Executive Director, NCL (centre), received the Third Fastest Growing Cement Company award in the Small Category.



Tushar Kulkarni, General Manager, Business Division Head, Innomotics India (in the centre), received the Green Innovation of the Year award (Small Category).



Jignesh Kundaria, Director & CEO, Fornnax Technology (2nd from left), received the Green Innovation of the Year award (Small Category).



The Sun Rises in the Northeast!

India's Northeastern states, nestled between the Himalayas and the vast trade routes of Southeast Asia, have often remained untapped owing to logistical challenges and limited industrial exposure. However, with investments, policy support and infrastructure developments, this once remote region is rapidly transforming into a booming hub.

In the last 10 years, with multiple schemes at the level of the Centre and the states, India's Northeast region has undergone a rapid transformation in terms of infrastructure, including rail and road connectivity, new industrial

and technology parks, logistics hubs and cold chains, among others. With a significant increase in budget allocation, rising from ₹361 billion in 2014-15 to ₹1,058 billion in FY2025-26, the Northeast is set



Manmohan Parkash, Former Senior Advisor, Asian Development Bank

for accelerated growth. The Government's ambitious Unnati 2024 scheme further reinforces the commitment to industrialisation and economic expansion in the region.

Gateway to Southeast Asia

According to Manmohan Parkash, Former Senior Advisor, Asian Development Bank (ADB), the Northeast region can play a strategic role as India's gateway to Southeast Asia and has the potential to become a trillion-dollar economy by 2050. He noted that the region's economic growth rates, ranging from 11 per cent to 29 per cent across various states, reflect its strong development trajectory. "The Northeast is endowed with rich resources, a young workforce and

geographical connectivity with ASEAN," he pointed out. "By focusing on infrastructure,

investment and innovation, we can position the region as a key driver of India's economic expansion."

He highlighted ongoing infrastructure projects such as the India-Myanmar-Thailand



R E Zeliang, General Manager, North Eastern **Development Finance** Corporation (NEDFi)

Trilateral Highway and the expansion of regional airports in Guwahati, Agartala and Silchar. Investments in high-speed rail

connectivity and inland waterways, particularly in Assam, are expected to further enhance trade links with Southeast Asia. He also emphasised upon the importance of



Sanjeev Patil, COO, National **Highways Logistics** Management

integrating digital infrastructure to boost e-commerce, IT services and fintech in the region.

Emerging investment opportunities

Providing a comprehensive overview of investment trends in the North East, R E Zeliana, General Manager, North Eastern **Development Finance Corporation** (NEDFi) emphasised that the region is now a prime destination for business expansion. He highlighted key sectors attracting major investments, including agroprocessing, tourism, renewable energy and manufacturing. "The Northeast is no longer just about potential; it is about tangible growth," he averred. "With improved infrastructure, proactive state policies and an entrepreneurial culture, this is the right time for investment."

Zeliang cited projects such as the Assam Semiconductor Manufacturing Plant and major investments from Tata, Reliance and Adani in hospitality, pharmaceuticals and real estate. The establishment of industrial parks in Tripura and startup incubation centres in Manipur is also facilitating a business-friendly environment. Additionally, he drew attention to the region's growing connectivity with

Banaladesh and Myanmar through border trade agreements and logistics corridors, which are set to enhance cross-border commerce significantly.

Reducing costs with multimodal logistics parks

According to Sanjeev Patil, COO, National Highways Logistics Management (NHLML), the development of multimodal logistics parks (MMLPs) can be a gamechanger for the region's supply chain ecosystem. He explained that India's logistics performance index ranks lower than global counterparts, leading to high transportation costs. "To bring down logistics costs from 16 per cent to a single-digit percentage, the Government is setting up 35 multimodal logistics parks, with a special focus on Northeast India", he said.

The MMLP at Jogighopa (Assam) - being developed by National Hiahways & Infrastructure **Development Corporation** (NHIDCL), a fully owned company of the Union Ministry of Road Transport & Highways – is set to enhance connectivity via rail, road and waterways. It will provide cold storage facilities, warehousing and customs clearance, significantly benefiting the region's agricultural and export-oriented industries. Patil emphasised that these projects are being developed under a PPP model, ensuring private-sector participation in infrastructure development.

Ropeways revolutionising last-mile connectivity

Addressing the need for better last-mile connectivity, Prashant Jain, Vice President - Ropeways & Inter Modal Hub Infrastructure, NHLML spoke about the Parvatmala

Pariyojana, which aims to establish ropeway networks in hilly and remote areas. The Northeast has already proposed 33 ropeway projects, with key developments underway in Kamakhya (Assam) and Tawana (Arunachal Pradesh). "The terrain of Northeast India demands innovative transport solutions," stated Jain. "Ropeways are not just about tourism; they will play a critical role in urban decongestion, logistics and mobility for isolated communities."

He explained that ropeways are ecofriendly, require minimal land acquisition, and offer a reliable transportation mode in challenging terrain. He also mentioned upcoming plans for an intermodal



Prashant Jain. Vice President - Ropeways & Inter Modal Hub Infrastructure. **NHLML**

hub in Guwahati, integrating ropeways, airports and highways for seamless travel.

Unnati 2024

To boost development of newer industries in the region, the Union Government launched the Uttar Poorva Transformative Industrialisation (UNNATI) scheme in 2024. Pankaj Surana, Director (Tax and Regulatory Services), Ernst & Young LLP provided an in-depth analysis of the scheme, a ₹100 billion initiative aimed at accelerating industrialisation. The scheme offers substantial incentives, including capital subsidies, interest subsidies and GST-linked incentives to encourage new businesses. "This is a once-in-a-generation

EVENT REPORT

opportunity for businesses to establish themselves in the Northeast," he said. "The Government has ensured strong financial support, making it attractive for both new and expanding industries."

Under the scheme, new manufacturing units can claim up to 100 per cent reimbursement on net GST payments for 10 years, while industries in backward districts receive capital subsidies of up to 50 per cent. Key sectors eligible for incentives include electronics, pharmaceuticals, IT, tourism and renewable energy. Surana stressed the urgency for businesses to register under the Unnati Portal by March 2026 to avail of the benefits,

PUNE - NILESH: +91 8422874036 **AHMEDABAD -** SUNIL: +91 8422874011

KOLKATTA - ABHIJIT: +91 8422874022

highlighting that over 300 companies have already applied.

Time to unleash true potential

The FCC North East Webinar 2025 highlighted the transformative changes unfolding in the rapidly developing region. With large-scale infrastructure projects, favourable investment policies and government-led initiatives, Northeast India will soon become a major economic hub. As Parkash concluded, "The time to act is now. With bold investments and strategic planning, the Northeast can become a shining example of sustainable growth, innovation and global leadership."

Indeed, strong collaboration

between the public and private sectors will allow the region to emerge as a powerhouse of economic growth, intertwining India with the dynamic markets of Southeast Asia.

(The distinguished speakers shared their insights at a webinar titled 'The Rising North East' on March 18, 2025, hosted by the FIRST Construction Council (FCC) – in collaboration with CONSTRUCTION WORLD, Infrastructure Today and Equipment India magazines. The webinar highlighted infrastructure developments, investment opportunities and strategic policies that are shaping the economic future of the Northeast.)

Scan to Enquire now!

I CW I

To share your views, write to feedback@ConstructionWorld.in

CWCONSTRUCTION WORLD.in **MAY 202 COVER STORY:** Roads & Highways **FEATURE:** Concrete Equipment Tyres **CW DESIGN BUILD: COVER STORY:** Flooring Solutions **BOOK YOUR** Issue closes on 23rd April 2025 **FOR ADVERTISING AD SPACE** Adsales@ConstructionWorld.in **TODAY!** MUMBAI - DIPTI: +91 84228 74027 **DELHI - RAJEEV: +91 84220 43000 SOUTH - SUDHIR: +91 8422987406**

Scan to read online



SPECIAL REPORT



India's data centre industry is expected to add 604 MW capacity, requiring 7.3 million sq ft of real estate by 2026.

India is on the path to becoming a global data centre hub. According to the Economic Survey, the country's data centre market is set to grow from \$4.5 billion in 2023 to \$11.6 billion by 2032, achieving a CAGR of 10.98 per cent. In the past two years, the sector has seen key collaborations between chip developers and infrastructure providers, such as NVIDIA partnering with Yotta and Tata Group and Reliance Jio Infocomm joining forces across various initiatives.

A key seament in real estate

"The growing adoption of hybrid cloud models, including private and public cloud environments, has created new opportunities in real estate," says Kirtikar Ojha, Head of Business Development & Government Sales & CMO,

L&T-Cloudfiniti. "Additionally, urbanisation and edge computing have led to the rise of smaller. localised data centres in cities to facilitate low-latency processing."

Data centres often offer higher returns on investment (RoI) owing to strong demand and long-term leases. However, they also require substantial initial capital and pose



"We are deploying data centres across Panvel, Bengaluru and Mahape

that ensure scalability."

- Kirtikar Ojha, Head of Business Development & Government Sales & CMO. L&T-Cloudfiniti

technological risks. Compared to traditional real estate, which can be volatile but offers capital appreciation, data centres provide stable cash flows and predictable returns, making them an increasingly attractive asset class.

Jatin Shah, Chief Strategy Officer, Colliers, states,

"Developers have a pipeline of over 3 gigawatt (gw) set to be delivered over the next decade. This requires an estimated capital expenditure of approximately \$25 billion, offering a great opportunity for investors."

Concentration in major hubs

Currently, 94 per cent of India's data centre capacity is concentrated in seven major cities. Mumbai and Chennai are leading the sector because of their well-established infrastructure networks. "Mumbai alone accounts for 48 per cent of

SPECIAL REPORT



"Mumbai accounts for 48 per cent of India's total data centre capacity."

- Jatin Shah, Chief Strategy Officer, Colliers

India's total data centre capacity, benefiting from submarine cable landing stations, reliable power supply and dense fibre infrastructure," says Shah. "The city is set to absorb over 35 per cent of the total additional capacity in the next five years." Chennai is also experiencing strong demand owing to similar advantages and the recent landing of the MIST cable, which is expected to attract further interest from the Asia-Pacific (APAC) region.

Design considerations

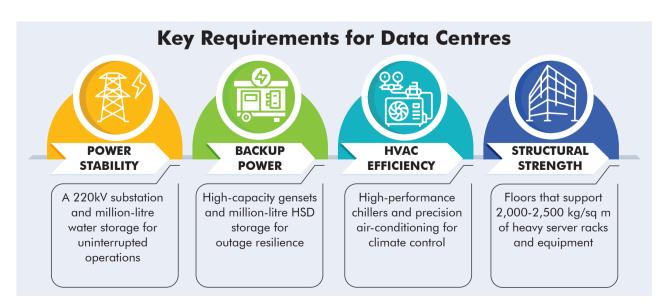
Highlighting the key design imperatives for data centres, Pankaj R Wadhwa, Principal



Developers plan to deliver over 3 GW in the next decade, requiring around \$25 billion in capex - an attractive opportunity for investors.

Architect, Vastunidhi Architects, underscores the importance of compliance. "A data centre's design must adhere to TIA-942 Standards, Uptime Tier-III/IV guidelines and the National Building Code," he explains. To ensure uninterrupted operations, "the infrastructure must incorporate redundant pathways for critical services, such as electrical

systems and HVAC, allowing for seamless maintenance without downtime." Security is also paramount, requiring a seven-layer physical security system. Additionally, the seismic design must ensure structural integrity and functionality during and after an earthquake. Given that data centres operate 24/7/365, he emphasises





"A data centre's design must comply with TIA-942, **Uptime** Tier-III/IV

with seven-layer physical security system."

- Pankaj R Wadhwa, Principal Architect, Vastunidhi Architects

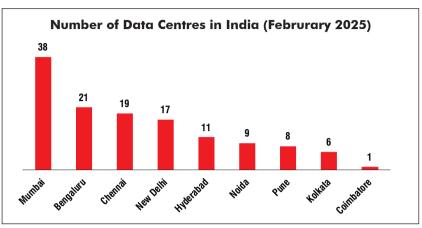
that reliability and zero downtime are non-negotiable priorities.

Challenges in construction

One of the biggest challenges in developing data centres in India is the high cost and limited availability of land near commercial hubs. Expensive land parcels drive up both operational and rental costs, making projects in high-demand areas like Mumbai even more costly. Shah explains another key challenge, "As technology evolves, older data centres risk becoming obsolete. Selling these facilities at profitable rates may prove difficult for investors."

Impact on leasing and transactions

Operators require customised facilities with cutting-edge cooling systems, high-security measures and redundant power infrastructure, making lease agreements more complex. "Due to the high capital investment involved, longer lease terms are becoming the norm, ensuring stability and predictable returns," shares Shah. "The sector is also attracting major interest from real-estate funds and infrastructure investors, offering opportunities for commercial property owners and brokers." As a result, leasing strategies are evolving, with agreements now including



Source: Colliers



"High-density demands above 30 kW per rack will reshape the growth, with **ESG** driving

cooling innovation."

- Anshuman Magazine, Chairman & CEO - India, Southeast Asia, Middle East & Africa, CBRE

provisions for high power usage, dedicated infrastructure and tenant-specific customisation.

Evolving demand and market

India's data centre sector is poised for significant growth, with Generative Al expanding at a CAGR of 28 per cent during 2023-2030. "High-density requirements (above 30 kW per rack) will reshape demand, while sustainability and ESG priorities will drive innovation in cooling and energy solutions," predicts Anshuman Magazine, Chairman & CEO - India, Southeast Asia, Middle East & Africa, CBRE. "Expansion into Tier-2 cities, hyper-converged infrastructure and cumulative investments exceeding \$100 billion by 2027 will cement

India's position as a major global data centre hub."

As for L&T's plans, Ojha reveals, "As a part of our strategic expansion, we are deploying Al-ready data centres across key metro hubs including Panvel (Navi Mumbai), Mahape (Navi Mumbai) and Whitefield (Bengaluru). These locations ensure low-latency connectivity, scalability, and energy-efficiency, offering enterprises andhyperscalers secure cloud solutions."

The road ahead

With India's data centre industry expected to add 604 mw capacity requiring \$3.8 billion in investment and 7.3 million sa ft of real estate by 2026, the sector presents enormous growth potential for developers and investors. Beyond the primary data centre hubs, emerging cities like Ahmedabad, Gurugram, Noida and Kolkata are rapidly gaining traction. Further, the Indian Government is actively encouraging investment through tax incentives, land and power subsidies, and the establishment of Data Centre Economic Zones.

- NEHA YADAV







"Malaysia-India trade stands at \$18.25 billion and is growing at the rate of 8.5 per cent."

- Ahmad Zuwairi Yusoff, Consul General of Malaysia, Mumbai

With bilateral trade between Malaysia and India reaching \$18.25 billion and growing at an annual rate of 8.5 per cent, economic collaboration between the two nations continues to strengthen. From infrastructure and green energy to technology and manufacturing, new opportunities are emerging for businesses on both sides. Ahmad Zuwairi Yusoff, Consul General of Malaysia, Mumbai, shared insights with CW on key areas of partnership, investment potential and the road ahead. Excerpts:

Malaysia has a strong economic presence in India, with around 70 companies operating across key sectors like infrastructure, healthcare and energy. At the same time, over 150 Indian companies have invested in Malaysia. How do you see this bilateral economic partnership evolving, and what key sectors hold the most potential for future collaboration?

Malaysia and India have made significant progress in bilateral trade and economic cooperation. Currently, trade between the two nations stands at approximately \$18.25 billion, growing at an annual rate of 8.5 per cent over the past two decades. Initially dominated by palm oil and



petroleum products, Malaysia's exports to India have diversified, with electrical and electronic products now making up a significant portion. Similarly, India's exports to Malaysia have evolved from agricultural products to petroleum and engineering goods, reflecting India's industrial transformation under initiatives like 'Make in India'.

Malaysia's Industrial Master Plan 2030 aims to strengthen our manufacturing sector, with a focus on global integrated circuit (IC) design for electric vehicles (EVs), renewable energy and Al applications. In terms of collaboration, key sectors include connectivity, sustainable economic growth, green development,

technological transformation and public infrastructure.

With Malaysia's construction market projected to grow from \$53.93 billion in 2025 to \$117.14 billion by 2034, what role do you see Indian companies playing in this expansion? What opportunities exist for collaboration in infrastructure and real-estate development?

Malaysia has earmarked approximately \$19 billion under the Malaysia Madani budget, focusing on infrastructure development, innovation and public-sector improvement. India's infrastructure sector is highly regarded in Malaysia, with Indian companies like IRCON International having contributed to railway projects since 1993. Prime Minister Modi's visit to Malaysia in 2018 provided a valuable opportunity for Malaysia to express interest in learning from India's infrastructure expertise.

With the recent elevation of bilateral ties to a comprehensive strategic partnership, there is significant room for deeper cooperation in the construction sector. The Construction Industry Development Board (CIDB) oversees Malaysia's construction framework and foreign companies, including Indian firms, have opportunities to bid for upcoming projects.

Major construction events provide a platform to showcase business opportunities and foster partnerships. How is Malaysia engaging with Indian stakeholders through such events and what initiatives are in place to attract Indian participation in Malaysia's construction sector?

Malaysia actively participates in and organises construction-related expos and trade events. In October 2025, CIDB will host the International Construction Week in Kuala Lumpur, themed 'Constructing the Future of ASEAN', aligning with Malaysia's ASEAN chairmanship, Events like these facilitate networking, knowledge exchange and business partnerships. Additionally, roadshows and B2B meetings are conducted to strengthen ties between Indian and Malaysian companies. The Malaysian government is also exploring digital platforms to enhance engagement and streamline business matchmaking between stakeholders from both countries.

The CECA agreement and India-ASEAN FTA have significantly boosted trade and investment between India and Malaysia. How can both nations further leverage these frameworks to unlock new business opportunities?

The Malaysia-India
Comprehensive Economic
Cooperation Agreement (MICECA)
complements the ASEAN-India
Trade in Goods Agreement and
has significantly boosted trade
since its implementation in 2011.
Given the evolving global
economic landscape, both nations
are actively reviewing and
discussing these agreements to
ensure continued relevance. As the

ASEAN Chair in 2025, Malaysia is committed to achieving a substantial conclusion in the review of the ASEAN-India Trade in Goods Agreement. These frameworks provide a foundation for economic stability and business confidence amid global uncertainties, allowing businesses to explore and expand market opportunities effectively.



Fostering deeper collaboration in Al, semiconductors, and green energy can help position both countries as leaders in future-ready industries.



With Malaysia's growing focus on sustainability and green energy, how can Indian companies collaborate in areas such as renewable energy, energy-efficient construction and smart infrastructure?

Malaysia aims to invest about \$ 290 billion by 2050 to implement its National Energy Transformation Roadmap. Given India's leadership in renewable energy, solar, wind and hydrogen markets, there is immense potential for joint ventures in transition financing, policy framework development and ESG reporting for SMEs.

Indian companies can contribute significantly with their expertise in green energy solutions. Petronas' subsidiary, Gentari, already operates in India's renewable energy sector. Expanding such collaborations will help both nations achieve their green energy goals and enhance global competitiveness.

What key challenges need to be addressed to further strengthen Malaysia-India business ties? What steps is Malaysia taking to facilitate smoother trade, investment and market entry for Indian businesses?

Challenges in bilateral trade include maintaining a balanced trade volume, tariff and non-tariff barriers, and regulatory adjustments. However, active government-to-government dialogue continues to address these issues.

To enhance ease of doing business, Malaysia has introduced measures such as simplifying visa processes, establishing the Malaysia-India CEO Forum, and allowing trade settlements in Indian rupees. Additionally, digital payment integration through platforms like NPCI's UPI with PayNet Malaysia is under discussion, further streamlining financial transactions between the two nations.

Beyond existing sectors, are there any new areas of collaboration that Malaysia is exploring with India?

Malaysia is keen to deepen collaborations in AI, semiconductors and EVs. India's Semiconductor Mission and Al advancements present opportunities for Malaysia to integrate into the global supply chain. Indian IT giants like TCS and Infosys already have a strong presence in Malaysia and we seek to expand cooperation in emerging technology sectors. We are also looking at enhancing our role in the semiconductor industry, particularly in Southern India, where Malaysian companies have already established a presence. By fostering deeper collaboration in Al, semiconductor manufacturing and green energy, both countries can position themselves as leaders in futureready industries.

CW

Scan to read online



INTERACTION

"By 2030, we anticipate a four-fold growth."

- Nageshwar SV, Associate Vice President & Business Head, Amara Raja Infra

Amara Raja Infra is a leading infrastructure company, with diverse expertise spanning power, industrial, commercial and residential projects. Nageshwar SV, Associate Vice President and Business Head, discusses the company's venture into commercial projects and the strategies behind this diversification with KARTHIK MUTHUVEERAN.

Please tell us about the company and how it has expanded.

The company started in 2008, initially focusing on providing solutions for our group's expansions. In the first few years, we were mainly handling end-toend projects for our group companies, from design to construction and commissioning. Around 2014-2015, we started branching out into external projects and building our client base. Post-COVID, we realised that with the expertise we had developed over the years and the skilled teams we had built, we could contribute to a growing and challenging market. We uniquely position ourselves with knowledge of process integration, civil execution, and design management.

Amara Raja Group is known for its energy solutions What inspired the expansion into diverse commercial infrastructure projects?

Energy solutions have been a key



Nageshwar SV, Associate Vice President & Business Head, Amara Raja Infra

focus for us for decades. However, with India's rapid growth in the infrastructure and construction segments, we saw an opportunity to contribute to this boom. As part of our strategic vision, we wanted to diversify into the commercial infrastructure sector. We believe this segment could act as another growth engine for the group, alongside energy and mobility. The infrastructure vertical has immense potential and we want to play a pivotal role in this growth story.

In a competitive market, what makes the company unique?

What makes us unique is our ability to integrate complex requirements into projects. We aren't just a civil construction company; we understand the process requirements of our clients and integrate them seamlessly into our projects. Our engineering capabilities allow us to be more than just contractors – we position ourselves as an EPC company that offers complete and tailored solutions

The company has a diverse portfolio. What specific growth areas is the company targeting?

In the building segment, we are focusing on healthcare, education, commercial IT buildings and select residential projects. In the industrial segment, we aim to focus on metal, minerals, and related industries where our engineering expertise can make a significant impact. It's not just about contracting for us; it's about providing engineering solutions to meet the growing, complex needs of industries.

For industrial projects like research and manufacturing facilities for **Bharat Electronics and Schneider** Electric, what key challenges did you face?

One of the key challenges we face, especially in industrial projects, is the evolving requirements of



BUILD IT SAFE. BUILD WITH EPOXY COATED BARS.

Western India's first fully integrated steel manufacturing facility, producing Epoxy Coated TMT Bars at a single location.

(IRON ORE > BLAST FURNACE > SPONGE KILNS > MELTING > REFINING > ROLLING > EPOXY COATING)

Epoxy coated bars perform better in both marine as well as inland environment by significantly delaying the initiation of corrosion. This results in a longer life of the structure & lower life cycle cost.

Advantages of Integrated Production Facility	Advantages of ET TMT Epoxy coated bars (IS 13620:1993)
One-stop facility results in faster delivery	Superior corrosion resistance extends the life of the structure
Reduced handling and transportation	Excellent bonding with concrete
eliminates damage, saves time and cost	Acts as a barrier to protect TMT bars against harmful
	elements like chloride ions

Available Grades: Fe 500, Fe 500 D, Fe 550, Fe 550 D, CRS Fe 500 & CRS Fe 500 D **Available Sizes:** 8 mm to 40 mm

Approvals: RDSO, MES, NPCIL, DFCCIL, PGCIL & NHAI

Electrotherm India Limited

www.electrothermsteel.com

301, Primate complex, Near Sambhav Press,
Off Judges bunglow cross road, Bodakdev,
Ahmedabad – 380054.
Email Id: salestmt@electrotherm.com • Contact no: 8238079223



EPOXY COATED BARS



clients. Proiects often undergo changes after the initial planning phase but the delivery timelines remain fixed. To manage this, we use our expertise to conduct brainstorming sessions with clients upfront, identify potential grey areas and come up with solutions early on to avoid cost or time overruns

What are some key trends you are observing in the sector?

The construction boom in India is just beginning and while that presents tremendous growth potential, it also brings challenges - especially in terms of skilled labour. To address this, we've established a skill development centre in Chittoor to train our workforce, focusing on mechanical, electrical and plumbing skills. Additionally, we are continuously adopting new technologies to stay ahead of the curve and meet the sector's evolving demands.

Are you looking to expand internationally?

At the moment, we are focused on projects within India but we are exploring opportunities in overseas markets. We're building teams to address potential requirements abroad and we hope to expand into international markets soon.

We are offering training initiatives with courses approved under the National Apprenticeship Promotion Scheme (NAPS) in collaboration with the National Skill Development Corporation (NSDC). Our skill development centres in Chittoor also work with industry partners to train workers and ensure we meet the arowing demand for skilled labour in the sector.

How do technologies like BIM, REVIT, and Navisworks seamlessly

integrate into your projects?

Technologies like BIM, REVIT and Navisworks help us identify designlevel clashes early, preventing reworks during construction. These technologies also allow us to manage material orders more efficiently, ensuring on-time delivery and reducing waste, which ultimately helps control project costs and maintain timelines.

How do you see technologies like LGSF and cold-form steel shaping the future of construction?

LGSF and cold-formed steel technologies are particularly relevant for the future of commercial construction, especially with the growing skill shortage in the industry. These materials help speed up the construction process and result in significant cost savings sometimes up to 40 per cent in steel usage. We are monitoring this space and working on developing our design teams to integrate these technologies into our solutions.

Tell us more about the company's skill development initiatives.

We've set up skill development centres in Chittoor, Andhra Pradesh, where we train our workforce in various trades such as MEP, HVAC and civil construction. Additionally, we have mobile training units that visit project sites, offering tailored training based on the specific stage of the project. We also provide certifications for courses completed at our centres.

How is Amara Raia Group effectively integrating sustainable practices into its projects?

Sustainability is a core focus, particularly in the design phase. We ensure that all designs go through our ESG review process to meet sustainability goals. Additionally,

when executing projects, we adhere to sustainable practices as specified in the contracts. We also have dedicated resources at the business level to oversee the implementation of sustainability measures across our projects.

How does the company ensure quality control and safety standards?

Quality control and safety are non-negotiable aspects of our project delivery. We have SOPs in place for both and our central teams conduct regular audits. Additionally, as part of our skill development initiative, we train our teams on safety and quality practices, ensuring that these standards are upheld throughout every project.

What are the company's growth projections for the next five years?

We expect our building and factory segment to contribute significantly to our overall business. By 2030, we anticipate a fourfold growth in our overall business. In terms of new market segments, we are looking at areas such as data centres, environmental engineering, and metals and minerals. These areas are ripe for innovation and we plan to provide engineering solutions to address the growing challenges in these fields.

We focus on offering cost-effective solutions and building strong partnerships with our suppliers and vendors. By engaging early in the project planning phase, we can develop unique value propositions for our clients. The volatility in material costs and labour are a challenge but we are continuously working on these aspects to ensure we stay relevant and provide the best possible solutions to our clients.

CW





Backhoe Loaders







Motor Graders



Soil Compactors



Tandem Rollers



www.ace-cranes.com

Cranes Loaders Forklifts Road Equipment | Piling Rigs Agri Machinery

Action Construction Equipment Ltd.

Mail: marketing@ace-cranes.com, Ph.: 0129-4550000 (100 Lines)















STARTUP INNOVATION



"We've doubled revenue with 200% Y-o-Y growth."

- Tushar Sulhaka, Founder, REGRIP Tyres

According to the Central Pollution Control Board, India generates approximately 1.3 million tonne of used tyres annually. Amid this, REGRIP Tyres, a Gurugram-based startup, is pioneering solutions by using high-grade rubber to create refurbished tyres. Operating through a network of over 12 dealers across eight states, the firm recycles approximately 100,000 tyres annually. Tushar Sulhaka, Founder, tells us more.

What inspired you to start REGRIP?

I founded REGRIP in July 2021, but the idea first took shape during my tenure as head of sales at a tyre service management company. Through extensive interactions with transporters across the country, I identified a major gap. While the focus was always on new tyres, no one was addressing the challenges faced by transporters regarding affordability and sustainability.

During the COVID-19 pandemic, tyre prices surged by 25 per cent, making cost a pressing concern. At the same time, I realised that the tyre industry was countercyclical; its demand remained stable regardless of economic fluctuations. In fact, roads handle 85 per cent of the country's passenger traffic and over 60 per cent of its freight movement.

The most striking revelation was the environmental impact. About 1.5 billion tyres are discarded every year, with 80 per cent ending up in



Tushar Sulhaka, Founder, REGRIP Tyres

landfills. Tyres are nonbiodegradable and their complex chemical composition prevents decomposition even after a century. Recycling costs are also prohibitively high. Given that 70 per cent of the tyre industry's revenue comes from

FACT FILE

Started in (Year): 5th July 2021 No of recycling/manufacturing

facilities: 6 Employees: 52

Total sales: ₹300 million

Regions covered (states/cities):

22 cities

Institutional investors: Government of Rajasthan, and India's Ministry of **Electronics and Information** Technology (MeitY), IIMA Ventures

commercial vehicles, where tyre consumption is significantly higher than in passenger cars, I saw a business opportunity.

How does your business model work?

We operate on a two-pronged approach.

- Re-engineered tyres: We refurbish used tyres to create REGRIP tyres, providing an affordable, sustainable alternative to new ones. These tyres are available at 50 per cent of the cost of new tyres while offering almost 80 per cent of their lifespan. The refurbishment process involves reapplying a fresh layer of rubber, ensuring reliability. To make our tyres easily accessible, we partnered with the same tyre dealers who traditionally sell new tyres, eliminating the need for customers to search elsewhere. By integrating REGRIP Tyres into existing dealer networks, we made sustainable alternatives a convenient choice for fleet operators and transporters.
- Recycling non-reusable tyres: For tyres that cannot be refurbished, we recycle them into crumb rubber, a fine powder used in new tyre manufacturing, gym tiles, shoe soles and other rubber-based products.

Additionally, we are India's largest scrap collector, with our collection centres spanning 22 cities and four recycling units, ensuring a steady supply of raw materials for re-engineering and recycling.

What is your revenue model?

Initially, our revenue was entirely dependent on selling re-engineered tyres. However, over time, we developed a more sustainable and profitable model, with 80 per cent of our revenue now coming from recycling scrap materials. Since its inception, REGRIP has experienced a remarkable 200 per cent year-onyear growth, doubling its revenue annually. This rapid expansion underscores the increasing acceptance of re-engineered tyres.

How did you secure the initial funding?

Eight months after launching the company, I had the opportunity to appear on a reality funding show called The Horses' Stable, which aired before Shark Tank was introduced in India. There, I met Mahavir Pratap Sharma, now the Chairman of TiE, who became our first investor. I also met Suniel Shetty. the host of the show, who took a keen interest in the business. After months of discussions, Suniel Shetty decided to invest in REGRIP as well.

Our first funding round secured ₹20 million from Mahavir Pratap Sharma and Suniel Shetty, both of whom hold equity in the business. In our latest funding round, we raised a total of \$1.5 million.

What kind of technology is used for tyre assessment?

We have developed a machine learning-based application to streamline the tyre inspection process. When we procure old tyres, we need to determine whether they can be re-engineered or if they must be recycled. Our system evaluates tyres based on 31 key parameters



Tyres are evaluated based on 31 key parameters across four sections: crown area, sidewalls, bead area and inner crown.

across four critical sections of crown area, sidewalls, bead area and inner crown. The machine learning algorithm continuously learns from past assessments, improving accuracy over time. When a tyre is scanned, the application evaluates its condition and determines whether it is fit for re-engineering or should be recycled. This technology has enhanced efficiency.

What challenges did you face on your journey?

Breaking into the tyre dealership market was a major challenge. Dealers are the most influential players with 80 per cent of sales driven by their recommendations. Being a new brand, convincing them to stock our tyres required time. However, we overcame this hurdle by offering better margins and building trust gradually. Another significant challenge was the collection of discarded tyres. Used tyres are often left at local repair shops and gathering them efficiently proved to be a logistical challenge.

What are REGRIP's future plans?

We have introduced two

groundbreaking technologies to further our impact.

- **EPRxchange**: India's first trading platform for extended producer responsibility (EPR) credits. This platform connects producers and recyclers, enabling tyre manufacturers to purchase EPR credits from recyclers like us to meet government-mandated recycling targets. REGRIP acts as the backbone of this platform, ensuring transparency and earning a success fee on every transaction.
- TvreBook: An ERP-based tvre management system designed for transporters with large vehicle fleets. Tyres are a significant investment and their lifespan varies based on usage conditions. A tyre expected to last 100,000 km but failing at 60,000 km results in financial losses, while one lasting beyond its expected lifespan provides added value. TyreBook enables transporters to track and manage tyre performance, optimising usage at no extra cost.

CW

Plugging the ACS!

CW identifies India's waterproofing market's best new releases and gaps in the product lineup.





On the back of a real-estate boom, Mordor Intelligence expects the Indian waterproofing solutions market to touch \$1.81 billion in 2030, from \$1.18 billion now, expanding at a CAGR of 7.44 per cent.

Waterproofing solutions in the Indian market are majorly acrylic-based products, some are cementitious or polyurethanebased, and very few are polyureabased. Of all these, "polyurethane and polyurea stand out for their remarkable performance, offering elasticity and excellent resistance against wear and the extreme weather conditions often seen in different parts of India," says Sammeer Karkhanis, Founder, Odd Jobs Waterproofing. However, he cautions that the effectiveness of these products depends heavily on the region in which they are being sold.

CW identifies winning products as well as the gaps in the market.

Top picks

First up, rubberised membranes have a seamless, elastomeric nature, which bridges cracks and accommodates structural movements, thus ensuring long-term waterproofing and flexibility, avers Rhythum Garg, Co-Founder & Technical Head, Garg Waterproofing Company. "By strongly adhering to concrete, rubberised membranes also minimise failures due to delamination."

He says rubberised membranes from companies such as Sakarni Damp Kawach and Eniroof SPR are ideal for terraces and exposed structures.

Poly600 from Bulwark Cool Coats and Chemicals is a twocomponent polyurea-based

waterproofing product. According to GA Ganesh, Technical Director, Dr Terrace Waterproofing, it has exhibited high tensile strength with high elongation in all the projects he has used it in, including corporate projects. "Made with Malaysian technology, Poly600 stands out for being applicable with a roller, instead of the spray machine that is usually needed to apply polyurea waterproofing coatings," he says. "The spray machine itself costs ₹10 lakh, which is beyond the budget of most waterproofing contractors."

Another newcomer, HDPE weldable arade membrane. addresses the shortcomings of HDPE non-weldable grade, peel and stick membranes, which necessitated a lot of joints and therefore tended to fail, especially in areas with high hydrostatic pressure, says Bijimol Prajul,



CEO, SIWIN (Sudish's Institute of Waterproofing and Insulation). "MMA (methyl methacrylate) is also a good product but not commonly recommended because it is expensive."

Garg also identifies tri-layered composite membranes, membranes combining multiple protective layers for enhanced durability, as a new long-lasting, maintenance-free solution. "These membranes from companies such as Er. Chem have been effectively used in podium decks and basements. By providing excellent resistance to hydrostatic pressure and external weather conditions, they are suited to swimming pools and water bodies."

"Products imported from Germany, UAE, Malaysia offer more strength and last 2x as long as Indian products."

- GA Ganesh, Technical Director, **Dr Terrace Waterproofing**

Thermoplastic elastomer (TPE) joint tapes are a reliable, long-term waterproofing for critical junctions, providing superior sealing and protection from water ingress in expansion joints, core-cut penetrations and wet areas, he adds. "In an industrial facility, we used TPE joint tapes from companies such as Er. TAPE NW and SIKA Tapes to address persistent leakage issues at expansion joints and pipe penetrations. These tapes provided superior elasticity and crackbridging properties, significantly improving the overall performance of the waterproofing system."

What's missing?

Making in India has helped ensure high-performing

QUICK BYTES

- Polyurethane and polyurea offer elasticity, durability, and resistance against wear and extreme weather conditions.
- The need of the hour is unbiased waterproofing training.

waterproofing products designed to withstand the country's regional weather-related challenges, says Karkhanis. "In the open to sky application category, products that are made in India are especially preferred."

However, many specific products that are manufactured, such as for wall dampness, are designed solely with the goal of offering a quick fix at an economical price, without going into the root causes of issues such as wall dampness, efflorescence and flaking, he continues. "Most manufacturers are just copy-pasting a formulation; they aren't doing enough R&D or surveys to understand common problems. As a result, most waterproofing products fail to deliver the long-term performance expected by consumers."

A major gap in the waterproofing industry is the lack of standardised, user-friendly solutions for retrofit applications, applicable externally without major structural modifications, states Garg. "Many existing buildings face leakage issues but the market is still dominated by systems designed for application during the construction phase, where all



"Manufacturers must interact with customers and applicators to identify the reasons behind problems."

- Sammeer Karkhanis, Founder. Odd Jobs Waterproofing

structural elements are accessible."

Essentially, he believes many retrofit waterproofing products fail to provide long-term performance, with issues reoccurring within one to two years. "The solutions usually come without warranties. Even if warranties are provided, the terms and conditions are so restrictive that claiming them becomes nearly impossible."

Another gap is in the waterproofing segment for retaining walls. "Liquid coatings, SBS membranes and sprayed systems exist but each has its own limitations," observes Prajul. "The presence of dampness or moisture while applying such systems and using unskilled labour in hazardous situations like deeply excavated areas contribute to the failure of such systems. Many times, the membrane gets damaged while backfilling."

He highlights the need for a costeffective, liquid system that can be applied even in the presence of dampness, which sets instantly and is joint-free. Instant-setting, bitumen-based, liquid-applied products available in the global market are expensive.

"We also need a liquid system to repair terraces without demolishing them," adds Prajul. "Polyurea is aromatic and needs UV protection and is also difficult to apply in high-rise

FEATURE-WATERPROOFING

The need of the hour: Unbiased training in waterproofing

SIWIN (Sudish's Institute of Waterproofing and Insulation) is an ISO and Construction Industry Development Council-certified institution offering formal training programmes in waterproofing and insulation. Its centre of excellence in Chikkaballapur, Bengaluru, and centre in Thane, Maharashtra, provide training and consultancy services across India. SIWIN also has a laboratory equipped with a universal testing machine, thermal imaging cameras, rebound hammers, ultrasonic thickness gauge, positector testing machine, etc. for non-destructive and destructive testing of waterproofing membranes.

"Many experienced civil engineers lack awareness since waterproofing isn't included in their curriculum; in practical life, too, waterproofing usually gets no attention until the building shows evident signs of leakage," says Bijimol Prajul, CEO, SIWIN. "We train budding civil engineers in colleges to better prepare the next generation."

"Our training is unbiased to ensure that civil engineers and waterproofing applicators have sound, brand agnostic technical knowledge," he continues. "We cover the waterproofing and repair of the substructure and superstructure, the advantages and disadvantages of various products, the design criteria, choosing the right product, and product suitability for different climates, geographies and surfaces. We also cover surface preparation and product application, termination and protection. Our practical training covers critical areas like expansion joints, corner treatments, rock anchor treatments, pile cap encapsulation, PRP treatments, confined area and unconfined area waterproofing, bore packing, etc."



Instant-setting, bitumen-based, liquid-applied products in the global markets are expensive.



"We need a fine-tuned product in the category of **UV-exposed** hybrid polyurea that

can be hand-applied."

- Bijimol Prajul, CEO, SIWIN (Sudish's Institute of Waterproofing and Insulation)

buildings as it is spray-applied using machines. We need a fine-tuned product in the category of UVexposed hybrid polyurea that can be hand-applied."

To develop solutions delivering reliable, long-lasting results, Karkhanis says "manufacturers must interact with customers and applicators to identify the reasons behind problems, not just focus on selling products."

Quality concerns

Notwithstanding the advanced products now available in the Indian waterproofing market, most products are still based on acrylic, which is a low-end, inexpensive raw material compared to polyurethane and polyurea, says Ganesh. "Popular waterproofing products in the Indian market are from paint companies such as Berger, Asian Paints and Pidilite, and their strategy seems to be to encourage customers to club a paint job with waterproofing every couple of years, an approach that pulls down the price as well as the quality of the product."

Consequently, he imports some waterproofing chemicals from UAE, Malaysia or Germany for corporate clients who ask for very high-quality products. "Such products offer more strength and last 2x as long as what



is available in the Indian market. Waterproofing is something that should last a decade."

On the subject of price plus quality, Ganesh has had a more positive experience with smaller, regional companies such as **Bulwark Cool Coats and Chemicals** than with pan-Indian companies like Fosroc, Sika, Dr Fixit, etc. "It may be because their marketing overheads are minimal or because they are catering to a niche market and have introduced good technology into the country," he reasons. "Most individual customers get influenced by intense advertising campaigns of big brands and opt for those products."



"Companies should be held accountable for their work by providing guarantees

and warranties on waterproofing projects."

- Titus Pereira, Director, Wet2Dry Solutions

In price-sensitive geographies, customers prioritising cost over the long-term value of a product and unrealistic expectations from poor quality products cause waterproofing failures, disappointment and, ultimately, greater costs over time owing to repairs and replacements, believes Karkhanis.

Training gap

India's real waterproofing problem is unqualified experts flooding the market, in the view of Titus Pereira, Director, Wet2Dry



"Waterproofina is a specialised field but it is becoming generalised because

anyone becomes an applicator."

- Rahul Gowda, Managing Partner, The Bangalore Waterproofing Company

Solutions. He says eight in 10 waterproofing companies in India are run by individuals with little to no formal training, who claim to be experts but rely on trial-and-error techniques, leading to poor material selection, incorrect application techniques, dilution of materials, high failure rates, contractors ghosting clients and financial losses.

"In waterproofing, it's not about what material you are using, but the application and how well you execute the job," he maintains.

"Even the best products fail if the applicator lacks the necessary expertise and training," agrees Karkhanis. "We've also seen highly skilled applicators make the most of even less-than-ideal products but very few companies offer an authorised applicator with a written warranty, reflecting the lack of confidence in the products themselves."

To take waterproofing to the next level, Pereira says India needs a structured and professional approach focusing on training, certification and accountability. areas that genuine providers provide. "Training through formal programmes and governmentrecognised certifications will ensure only qualified professionals operate in the market," he states. "Creating awareness about this will help clients identify real experts and avoid unaualified contractors."

On the same lines as plumbing and electrical work, Pereira believes waterproofing should have standardised regulations to ensure that leakages are permanently fixed. "Also, companies should be held accountable for their work by providing guarantees and warranties on waterproofing projects."



"A major gap is the lack of standardised, user-friendly solutions for retrofit applications."

- Rhythum Gara, Co-Founder & Technical Head, **Garg Waterproofing Company**

Rahul Gowda, Managing Partner, The Bangalore Waterproofing Company, calls out not only the shortage of trained and experienced applicators but also the lack of follow up on the performance of applicators who have undergone training from reputed waterproofing manufacturers. "Just getting a certificate after training isn't enough to guarantee effective waterproofing," he says. "Waterproofing is a specialised field but it is becoming generalised because anyone becomes an applicator, and any plumber or painter says they know the process. Buyers must conduct background checks before hiring."

- CHARU BAHRI





Innovating for Road Sustainability

India's road infrastructure is crucial for economic growth, yet its environmental impact is significant.



India's road infrastructure plays a crucial role in economic development, but it also poses significant environmental challenges. With the rapid expansion of highways and expressways, the construction and maintenance of roads consume large amounts of natural resources and contribute significantly to carbon emissions. However, leading experts in the industry are pioneering sustainable practices to mitigate environmental impact and improve efficiency. At a webinar titled, "Paving the Future: Making India's Roads More Sustainable", held on March 5, 2025, industry stalwarts gathered to discuss India's road infrastructure, exploring innovative solutions to address the environmental challenges posed by rapid expansion, and the adoption of sustainable practices for long-term economic and ecological benefits.

Transforming road asset management

Dr Zafar Khan, Joint CEO. Highway Concessions One, highlighted that roads rank among the least sustainable infrastructure components owing to high emissions from construction and maintenance. "From an asset management perspective, we have already taken key steps such as switching to LED lighting and

integrating solar power wherever net metering is allowed by the Government," he said.

Despite these efforts, a major challenge remains fuel consumption in



Dr Zafar Khan. Joint CEO, Highway Concessions One

maintenance activities, particularly in heating materials for road repairs. In response, Highway Concessions One has initiated a large-scale mangrove plantation project along India's coastal belt. "Mangroves have the highest carbon sequestration capacity and we are planting 50 lakh mangroves over a three-year period to neutralise our carbon footprint," shared Dr Khan.

Another promising development has been the use of plastic waste in road construction. "After six years of study, we have successfully used 500 tonnes of plastic waste in constructing a 72-km National Highway stretch," he added. "While authorities remain cautious about widespread adoption, this initiative has demonstrated durability and environmental benefits." Innovations like video surveillance-based lighting, which reduces energy usage by optimising illumination based on traffic density. are also being explored.

Role of material innovation

Decarbonising road construction materials is a key area of research. Satish Pandey, Senior Principal Scientist and Head - Flexible Pavement Division, CSIR -Central Road Research Institute (CRRI), emphasised the potential of alternative materials, "Road construction heavily relies on natural aggregates but we need to look at industrial waste alternatives like processed steel slag," he said.

One of the most promising advancements in this area is the adoption of steel slag roads, where natural aggregates are entirely replaced with steel industry byproducts. "CRRI has been working with industries to integrate steel slag into road



Satish Pandey, Senior Principal Scientist and Head - Flexible Pavement Division, CSIR - Central Road Research Institute (CRRI)

layers," he added. "This approach not only reduces carbon emissions but minimises the depletion of natural resources."

Recycling also plays a crucial role in sustainable road construction. "If we maximise the reuse of reclaimed asphalt pavement (RAP) up to 70 per cent, we can significantly cut down on the need for virgin bitumen and natural aggregates," Pandey pointed out. The use of blended cement, such as Portland slag cement, is another effective method to lower emissions. "By incorporating ground granulated blast furnace slag (GGBFS), cement consumption can be reduced by

HONEYWELL TITAN® | FOOTPRINT ACROSS INDIA



Many more miles across the globe

40 to 50 per cent, cutting down carbon emissions from cement production," he added.

Addressing pavement durability

Dr Yonghong Ruan, Asphalt Technology Manager, Honeywell, emphasised the need for materials that can enhance the performance of asphalt, saying, "Pavement durability is an ongoing challenge and we know that roads around the world are subject to thermal cracking, fatigue cracking and permanent deformation. These are all signs that the road needs better performance." To address these issues, Honeywell introduced Titan®, a polymer designed to modify bitumen to produce polymer-modified bitumen (PMB), significantly improving the overall performance of the pavement. Honeywell Titan® enhances the stiffness of the binder at high temperatures while improving its lubricity, making compaction easier and increasing pavement density. This results in smoother and more durable surfaces.

Adding to this, Swapnil Kanaujia, R&D Engineer, Honeywell, shared how Titan® has proven effective in India's most extreme climates — from the icy

terrain of Ladakh to the rain-heavy Northeast and the scorching heat of Rajasthan. "India's geographical diversity requires tailored solutions," he stated. "We understood that until we hit the ground, we wouldn't fully grasp the exact problems we were solving." Kanaujia explained that Honeywell's hands-on approach led to projects where roads remained intact even after endurina

-35°C in Ladakh or 50°C in Rajasthan, demonstratina the resilience and sustainability of their technology. "Honeywell Titan® helps reduce



Dr Yonghong Ruan, **Asphalt Technology** Manager, Honeywell

maintenance cycles, potentially cutting down one maintenance cycle within a decade," he concluded.

Overcoming challenges

Despite technological advancements, regulatory and financial hurdles hinder widespread adoption. Dr Khan noted that economic considerations often dictate decision-making in

EVENT REPORT

infrastructure projects. "There is no lack of research or documentation - it's about economic viability," he asserted. "If a technology proves costeffective, it will



Swapnil Kanaujia, R&D Engineer, Honeywell

find its way into mainstream use."

Trust between authorities and concessionaires remains a challenge. Dr Khan highlighted that earlier contracts allowed for performance-based maintenance but recent shifts have reverted to fixed maintenance cycles. "Even if we propose innovative materials like RAP, authorities hesitate due to concerns over commercial benefits." he pointed out. "If I take the risk, I should be able to reap the rewards."

Pandey agreed that regulatory reluctance slows innovation. "If new materials and technologies are already included in the Indian Roads Congress (IRC) guidelines, why should authorities resist their adoption?" He suggested that a comprehensive document consolidatina all alternative approaches should be created to improve awareness and facilitate smoother implementation.

Incentivising sustainable practices

For sustainable road construction to become mainstream. policymakers need to implement incentive mechanisms. Dr Khan proposed that making alternative materials mandatory within a certain radius of production facilities could enhance their adoption. "When fly ash was mandated within 200 km of power plants, it became widely used. The same approach should be

applied to steel slaa and plastic roads."

Pandey emphasised the need for performance-based contracts instead of rigid specifications. "Globally, road quality is monitored based on performance metrics such as roughness and structural deflection. If contractors are required to maintain roads to a specific standard over five years, they will naturally adopt costeffective and sustainable materials," he reasoned.

Another potential approach is linking infrastructure financina to environmental criteria. "If 20-30 per cent of road project lending is tied to sustainabilitylinked bonds



Dr Gurunath Guduru. Manager - Pavement & Quality Assurance. Sekura India Management

or green finance, concessionaires will be incentivised to integrate ESG (Environmental, Social, and Governance) principles into their projects," Dr Khan noted.

Exploring the potential of bio-bitumen

Dr Gurunath Guduru, Manager - Pavement & Quality Assurance, Sekura India Management, shed light on the potential of biobitumen as a sustainable alternative to petroleum-based bitumen. "India is actively researching bio-bitumen applications and we have conducted test sections in collaboration with CRRI. While the material is still in its early stages, initial results are promising," he shared.

He also highlighted that hot and cold recycling technologies significantly reduce lifecycle costs. "By using additives tailored to project needs, we can extend pavement life and minimise maintenance. For instance, in the Northeast, we applied Honeywell Titan to combat



Himanshu Pathak. Product Manager, Honeywell

rutting and moisture damage and the road remains in excellent condition a year later," he said.

The way forward

For sustainable roads to become a reality, collaboration between additive manufacturers. researchers, and construction firms is essential. Himanshu Pathak, Product Manager, Honeywell, stressed the importance of datadriven decision-making. "Claims about sustainability need to be backed by rigorous testing and real-world trials," he stated. "If an additive can reduce processing time from 15 hours to five hours, we need verifiable data to substantiate these benefits."

Ultimately, the goal is to build long-lasting, environment-friendly roads without compromising on auality. "Sustainable road construction is not just about reducing emissions; it's about optimising resources, improving durability, and making economic sense," Dr Khan concluded.

India stands at a crossroads in infrastructure development. By integrating innovative materials. leveraging recycling technologies and creating policies that reward sustainability, the country can pave the way for a greener, more resilient road network. The momentum is there - now is the time to drive change.

MULTI LAYERED

SECURITY

Seamlessly integrated security—layer by layer—has become the norm across building types.





MULTI LAYERED SECURITY

Seamlessly integrated security layer by layer has become the norm across building types.

Security and safety are fundamental to designing any residential or commercial space. A well-designed security solution ensures that assets are protected and occupants experience peace of mind.

One layer of security - a mere lock or alarm - isn't enough nowadays. It takes multiple technologies to secure a property, seamlessly integrated with a

user-friendly control centre. In the best designed properties, these technologies work effortlessly in the background, unseen, unheard, without compromising aesthetics.

"The goal isn't just to make a space secure but to do so in a way that doesn't compromise its aesthetic, functionality or user experience," says Sahir Choudhary, Director of Operations and Senior Architect, Habitat. "Ultimately, the best security solutions are the ones you don't notice until you need them. Security solutions should be proactive, not reactive."

QUICK BYTES

- Smart security cameras, smart locks, smoke detectors and motion detectors are most popular.
- The cost of solutions varies significantly depending on the scale and sophistication required.



PUDESIGN SECURITY & SAFETY



CW explores these layers and their integration methods.

Multilayered security

First, let's unravel the various layers of a multilayered security solution. In The Wishlist Mansion, a high-end, expansive residence in Mumbai, these layers include "360° CCTV surveillance cameras, fingerprint and facial recognition locks, video door phones and vision panels, electric fencing, integrated motion sensor and door/window alarms, and automated security systems," says Pathik Joshi, Co-founder & Principal Architect, Kypad Design Office LLP.

Each layer performs a specific function. In both residential and commercial projects, video door phones are the first point of security, acting as both an intercom and surveillance tool, enabling occupants to verify visitors before granting them entry. In larger properties, 360° CCTV cameras placed strategically at critical entry points and perimeters for real-time monitoring complement this function, ensuring complete visibility of

"Cameras can be concealed within architectural elements such as custom-designed wall recesses or integrated joinery details."

- Sahir Choudhary, Director of Operations and Senior Architect, Habitat





METALMAN

AN IATF 16946 : 2016 / ISO 14001 : 2004/OHSAS 18001 : 2007

About Metalman

Metalman Auto Ltd. is engaged into Engaged in Manufacturing of Sheet Metal, Tubular, Light & Heavy Fabricated Assemblies, Sub-Assemblies, Parts with all types of Surface Finishing In house is a journey of 36+ years. We serve/present ourselves as one stop shop for all your fabrication needs and are currently catering to Global Automotive OEM's, Heavy Fabrication & Construction Equipment Industry, Off Road Vehicles & White Goods Industry, From first plant in 1986, METALMAN has grown to establish 12 - plants (Including Engineering Centre) along with 2 additional sister concerns & 1 JV. All our Plants are Certified with IATF 16949:2016, ISO 14001:2015 & OHSAS 18001:2007, DUNS-919752928.







Our Clients



























METALMAN Auto Ltd.

1st Floor, JMK Tower 44/5,NH8, Kapas Hera Estate, New Delhi, Delhi 110037

Tel: +91 240 665 2444 (Ext. 500) Mail: info@metalmanauto.com

SECURITY & SAFETY



Smart locks on drawers, safes, and doors provide multiaccess authentication via biometrics, codes, or keys.

the property. Smart locks and electronic locks installed on drawers, safes and doors offer multiaccess authentication through biometrics such as fingerprints or facial features, numerical codes or physical keys, and are also useful for granting temporary access to guests and staff, or remotely to service providers. Electric fencing secures the perimeter. Establishing clear boundaries through strategic landscaping and lighting further deters unauthorised access and enhances the overall sense of safety. Integrated motion sensors and door and window alarms linked to a

> "Panic buttons serve as a quick alert system in case of security threats like break-ins."

> - Aniruddha Nafrey, Founder, Partner & Principal Architect, Arriva Designs

mobile-controlled system deliver instant alerts in case of unauthorised access. Automated security systems allow the entire property to be locked down with a single tap, ensuring security is never compromised.

By no means is this the most that can be done to secure a property. Aniruddha Nafrey, Founder, Partner & Principal Architect, Arriva Designs, points out that glass break sensors and infrared alarms play a key role in modern



Security solutions: A secure future

India's security market is expected to expand from \$1.1 billion in 2025 to \$1.5 billion by 2029 growing at a CAGR of 7.30 per cent, according to Statista Market Insights. Of the many security solutions available, the most popular are smart security cameras, smart locks, smoke detectors and motion detectors.

architecture featuring expansive glass façades and sliding doors, to detect tampering and triggering alarms to deter intruders. Further, "incorporating panic buttons in bathrooms and other key areas can help elderly residents get emergency assistance in the eventuality of a fall or other health concern, and also serve as a quick alert system in case of security threats like break-ins."

In commercial projects, security demands a more high-tech and multi-dimensional approach, says Choudhary. One of Habitat's recent projects, an R&D centre, required not only Al-powered access control systems but also advanced firesafety measures and blast-resistant structural elements. In addition to motion sensors and layered access zones, a seamless lockdown

"For more private spaces like a directors' cabin, we implement RFID or smart biometric systems to allow entry to only authorised individuals."

- Pooja Ashley, Co-Founder, Ashley's



mechanism was incorporated, which enabled immediate security reinforcement in the event of an emergency – without causing panic or disrupting operations.

"We have implemented biometric access control systems to restrict

"Automated security systems allow the entire property to be locked down with a single tap, ensuring security is never compromised."

- Architect Pathik Joshi, Co-founder & Principal Architect, Kypad Design Office LLP unauthorised entry to offices and commercial spaces, and time and attendance tracking for employees to clock in and out using fingerprints or facial recognition technology," says Pooja Ashley, Co-founder, Ashley's. "Our modern design approach also incorporates IP camera systems for enhanced security, with the ability to conveniently monitor premises remotely via the Cloud, and the continuous management of security surveillance. If needed, we integrate smart cameras, which play a vital role not only in security surveillance but also in fire and safety prevention





Lighting elements subtly conceal surveillance cameras.



Wooden paneling enhances access control integration.

through the early detection of flames, smoke or spills in the building. For more private spaces like a director's cabin, we implement RFID or smart biometric systems to allow entry to only authorised individuals."

In addition to controlled access points, perimeter security, integrated access control, strategic surveillance and comprehensive fire-safety measures, Vinod Singhi, Co-founder and Principal Architect, Basics Architects says a mixed-use facility for Fybros, in Noida, which will be used by warehouse workers, corporate office employees and potential customers also uses some automation tools and sensors that can create a seamless yet safe user experience within large building complexes.

Integration challenges

The biggest challenge in integrating security solutions is seamlessly embedding them into the design without compromising aesthetics, and ensuring ease of use while maintaining high security, says Abhilasha Joshi, Co-founder &

Principal Architect, Kypad Design Office LLP.

In a well-designed space, the layers of protection should work in the background, not as obtrusive elements that disrupt the visual or functional flow, according to Choudhary. So, high-tech elements like the biometric access, discreet facial recognition cameras and smart surveillance that syncs with the homeowners' mobile devices must all remain invisible to the eye. "Only then will the space retain its warmth and openness, rather than feeling like a high-security fortress," he says.

One possible design solution, Choudhary explains, "is to conceal cameras within architectural elements such as custom-designed wall recesses or integrated joinery

"CCTV cameras are best placed in locations that maximise visibility while respecting occupant privacy."

- Vinod Singhi, Co-Founder and Principal Architect, Basics Architects details. Another frequently adopted approach is to position cameras within custom light fixtures, designed to appear as sculptural lighting elements while housing discreet surveillance technology."

For secure entry to spaces, embedding biometric scanners within wooden panelling or metal trims ensures that access control remains intuitive yet invisible, continues Choudhary. "Smart locks are best seamlessly integrated into custom-crafted door handles, where a simple touch activates the recognition system."



Seamlessly integrating safety and security measures into the design of a building without compromising aesthetics or functionality is also a challenge in commercial, retail and hospitality environments, according to Singhi. All the more so when you want to "create open, comfortable, nature-integrated spaces, always with an eye towards keeping people safe, but never shut away".

For effective monitoring without creating a sense of intrusion, Singhi says CCTV cameras are best placed in locations that maximise visibility while respecting occupant privacy. This was an important consideration in the design of Pernod Ricard's Dubai office, one of his projects, which was constructed on an atypical, pie-shaped floor plate with a few blind spots.

Making it work

In gated communities or commercial buildings, where security solutions are often linked from the main gate to individual

"The biggest challenge in integrating security solutions is seamlessly embedding them into the design without compromising aesthetics."

- Architect Abhilasha Joshi. Co-founder & Principal Architect. Kypad Design Office LLP

units (apartments or offices), there is a need for consistent product selection across all access points, says Nafrey. "Only then can the system be synchronised, and seamlessly integrated, without compatibility and maintenance issues. Therefore, it is preferable that developers install the video door phone systems and others."

Choosing reliable brands and ensuring proper installation can help reduce instances of malfunction, he adds. Besides, "a standardised system allows smooth communication between residents, security and visitors, ensuring



efficient access control. It enhances overall security by enabling a centralised monitoring system."

The cost perspective

From a cost perspective, solutions can range significantly based on scale and sophistication.

"A basic biometric and smart lock system may start at ₹50,000, whereas an Al-driven security network with real-time surveillance, access control and emergency response automation could cost anywhere between ₹5 and ₹20 lakh depending on project complexity," says Choudhary.

According to Nafrey, "Video door phones and CCTV cameras cost approximately ₹15,000 to ₹25,000 depending on the features, while smart locks and electronic locks cost ₹50,000 to ₹1,50,000 depending on the features."

The future of design is about creating environments where people feel inherently safe - not just through technology but intelligent spatial planning, material choices and a deep understanding of human behaviour. A well-designed space should inspire confidence, where security feels like an inherent, almost invisible part of daily life, quietly ensuring safety while allowing the experience of the space to remain uninterrupted.

- CHARU BAHRI





Metal trims discreetly house biometric scanning for security.



DESIGN SPECIAL REPORT





Fixing Hyderabad's Urban Puzzle

With no FSI limits, CW explores how Hyderabad's real estate boom poses challenges to the city's infrastructure.

Hyderabad's skyline is transforming at an unprecedented pace but urban planners and citizens alike are raising alarms about the long-term impact of its unchecked vertical expansion. Unlike other major cities in India, Hyderabad does not impose a floor space index (FSI) limit, allowing builders to construct high-rises without restriction. While this has led to rapid urbanisation and a booming real-estate sector, experts warn that the absence of regulatory control could severely strain the city's infrastructure in coming years.



"Without FSI regulations, we are heading towards an urban crisis."

- Sreekanth Reddy, Managing Director, Cushman & Wakefield, Hyderabad

The unintended consequences of no FSI

In 2006, the YS Rajasekhar Reddy-led Congress government removed FSI limits to accelerate urban development. Nearly two decades later, the policy has transformed Hyderabad into a builder's paradise, where realestate projects are shaped more by profit potential than by urban planning considerations.

"Real-estate developers are maximising land value but infrastructure is struggling to catch up. Without FSI regulations, we are heading towards an urban crisis," warns Sreekanth Reddy, Managing Director, Cushman & Wakefield, Hyderabad.

In most major cities, FSI is



capped at an average of 2.5, ensuring controlled vertical growth. In Hyderabad, however, FSI ranges between 9 and 13, making it the only major city in India with unrestricted high-rise construction. While this has boosted real-estate investments, it has also outpaced the development of essential infrastructure - roads, drainage systems, power grids and public transportation.

Nilesh Jani, Senior Director, Phoenix Group, raises concerns about the impact of unregulated growth on essential services. "Multiple large offices are being built in West Hyderabad. But what about schools? What about hospitals? Right now, schools are moving farther away because landowners want their large share. If we don't fix these zoning issues, a 15-minute city will be impossible," he says.

The imbalance is evident in Hyderabad's IT corridor, where office space is multiplying but



"If we don't fix these zoning issues, a 15-minute city will be impossible."

- Nilesh Jani, Senior Director, Phoenix Group

supporting amenities—such as retail, schools, and hospitals—are not keeping pace. The lack of proper zoning regulations means that while real estate flourishes. residents face increasing congestion, water shortages and an overstretched civic infrastructure.

Nanda Kishore, Managing **Director, Ramky Estates**,

emphasises upon the importance of long-term city planning and government intervention to correct this imbalance. "If we want to create a truly liveable city, zoning must be enforced strictly," he points out. "The government needs to step in

incentives for planned development.

Government can offer

and ensure that commercial. residential and social infrastructure are developed in parallel. Otherwise, the urban chaos we are witnessing will only worsen."

What lies ahead?

Hyderabad's no-FSI policy, once seen as a growth catalyst, is now raising serious concerns about long-term sustainability. Without proper urban planning, the city risks infrastructure collapse, rising congestion and declining quality of life.

Experts agree that the government must step in to regulate growth, suggesting location-based FSI restrictions, better infrastructure investments and stricter zonina policies as potential solutions.

Design vs. Vastu: The struggle for architectural creativity

While Hyderabad's FSI-free policy has allowed more ambitious real-estate projects, architects struggle to bring creativity into designs owing to another major constraint: Vastu compliance.

Ar. P Ramakrishna Shenoy, Principal Architect, Arka.de Sign Studio, highlights this challenge, saying, "It's very easy to be an architect in Hyderabad because the design is already given to you. Vastu dictates the layout and bylaws dictate the shape."



"In Hyderabad, Vastu dictates the layout and bylaws dictate the shape."

- Ar. P Ramakrishna Shenoy, Principal Architect, Arka.de Sign Studio

In Hyderabad, developers strictly adhere to Vastu Shastra, as buyers prioritise traditional layouts over modern design innovations. As a result, architects find themselves working with preset templates:

- The kitchen must be in the southeast
- The master bedroom must be in the southwest
- Even bathroom placements and bed orientations are dictated by Vastu.

This rigid adherence leaves little room for creativity. Even internationally renowned architects working on Hyderabad projects must comply with these norms, resulting in repetitive, predictable urban landscapes.

Ar. Rajeev Kumar Sharma, Managing Director, Designhaaus, agrees that Vastu and outdated bylaws limit architectural innovation. "Vastu



"Vastu compliance is a non-negotiable for developers but it shouldn't come at the cost of functionality and efficiency."

- Ar. Rajeev Kumar Sharma, Managing Director, Designhaaus

compliance is a non-negotiable for developers but it shouldn't come at the cost of functionality and efficiency," he says. "The challenge is to find a balance where we can incorporate design excellence while still meeting market expectations."



"In cities like Hyderabad, Vastu compliance significantly restricts architectural creativity."

- Rakesh Reddy, Director, Aparna Constructions & Estates

"Homebuyers consider multiple factors and architecture is just one of them. Additionally, in cities like Hyderabad, Vastu compliance significantly restricts architectural creativity," adds Rakesh Reddy, Director, Aparna Constructions & Estates. While the absence of FSI could have encouraged bold, innovative architecture, the constraints imposed by Vastu and outdated bylaws continue to limit what architects can achieve.

"The paradox is clear - on one hand, we talk about car-free cities, but on the other, our bylaws still mandate 60 per cent parking in commercial buildings. Policies must align with infrastructure goals," emphasises Reddy.

Kishore, echoing the need for policy alignment, states, "Without structured policies and government incentives for planned development, we are setting ourselves up for long-term infrastructure failures.



"Without structured policies and aovernment incentives for planned development,

we are setting ourselves up for long-term infrastructure failures."

- Nanda Kishore, Managing Director, Ramky Estates

The time for action is now."

Hyderabad's vertical boom is at a crossroads. Will it continue unchecked, leading to urban chaos or will policymakers intervene before it's too late? The answer will determine whether the city's meteoric rise leads to prosperity – or collapse.

(The speakers discussed town planning at the panel "Rethinking city design - Is a 15-minute city possible?" in Hyderabad.)

I CW I







INNOVATION & SUSTAINABILITY: QATAR'S PATH TO 2030

PROJECT QATAR

THE LEADING INTERNATIONAL CONSTRUCTION EXHIBITION



26 - 29 MAY 2025

DOHA EXHIBITION AND CONVENTION CENTER



+974 4432 9900



info@ifpqatar.com



projectqatar.com



The CW Design-Build Conclave and Awards honoured Hyderabad's top architects, builders, and developers, spotlighting smart infrastructure and sustainability.



CW Design-Build Awards – "Stalwarts of the South – Hyderabad" honoured the contributions of architects and builders at the city level.

The CONSTRUCTION WORLD DESIGN-BUILD (CWDB) Conclave and Awards at Taj Krishna, Hyderabad, celebrated the city's top architects, builders, and developers. Hosted by Construction World, India's leading construction magazine, the event featured discussions on smart infrastructure, sustainability, and urban planning.

The Stalwarts of the South -Hyderabad felicitation honoured excellence in design and execution. Industry leaders, including Construction World's Co-Founder & Group Managing Editor, Falguni Padode, highlighted CWDB's role in shaping India's built environment.



Nanda Kishore, Managing Director, Ramky Estates



Rakesh Reddy, Director, Aparna Constructions & Estates



M.K. Ravi Sai, Senior President Projects, My Home Constructions



Pavan Kakade, Partner Architect, Kreative House



Ar. Rajeev Kumar Sharma, Managing Director, Designhaaus (Left)



Ar. P Ramakrishna Shenoy, Principal Architect, Arka.de Sign Studio (Left)



Samanth Nimmala, Partner & Chief Architect, Squares Design Studio



Spoorthi Reddy, Rajapushpa Properties



Santosh Maniyar, A.V. P, Aparna Constructions & Estates



Ar. Sreekanth.G, Founder & Principal Architect, GS Studio Design Consultants



Ashmitha Padmanabhan, Director, Honer Homes

DESIGN EVENT REPORT



F+S Designs



Himadri Sharma, Senior Architect, Chirag Design Studio



Siddharth Mall, Head of Marketing, Auro Realty



Ar. Mathan Ramaiah, Partner and Design Director, FHD India Consultants LLP



Rupam Dey, Director, **SEP Architects**



Mohammed Saifuddin, Senior Architect, MORIQ



Vijaya Sai Meka, President, NAREDCO Telangana



P. P. John, Zonal Head Technical Services South, Ultratech Cement



Venu Gopal Vennavalli, Business Development Manager – South, TMT **Projects & Solutions**



Scan to read online



"We're a building materials platform driven by tech and manufacturing."

- Aaditya Sharda, Co-Founder, Infra.Market

Founded in 2016, Infra.Market, valued at \$2.8 billion, is a building materials platform, leveraging tech for the complete value chain in the construction ecosystem.

Aaditya Sharda, Co-Founder, tells CW about the company's expansion, revenue mix and strategies for sustained growth.

Infra.Market has been a strong player in construction materials. What drove the decision to expand into the home décor and lifestyle categories?

Infra.Market is a tech-driven building materials platform revolutionising the sector by ensuring efficiency and reliability. Connecting builders, contractors, architects and government bodies, we simplify procurement and project execution. We have expanded into other categories to offer a seamless experience across structural. finishing and lifestyle products, providing everything on a single platform. Our diversification into the lifestyle sector includes tiles. sanitaryware, bath fittings, fans, lights, appliances, modular kitchens, hardware, paints and even consumer durables. This decision was driven organically through the launch of IVAS and via strategic investments in reputed brands like Shalimar Paints, Amstrad and Emcer Tiles, reinforcing our vision to be the go-to platform for home improvement. We leverage strong relationships with developers, architects and homeowners to build



Aaditya Sharda, Co-Founder, Infra.Market

a trusted consumer-facing brand, boosting our position as a leading building materials platform. As a House of Brands with inhouse manufacturing, we ensure quality, improve margins, and drive growth.

Can you provide a revenue breakdown across infrastructure, real estate and retail, along with potential cross-selling and upselling opportunities within these segments?

Our revenue distribution highlights the impact across key sectors with infrastructure contributing 50 per cent, real estate 30 per cent, and retail 20 per cent. Product-wise, behind the wall materials like concrete, AAC blocks, steel and plumbing make up 70 per cent of revenue, while front of the wall categories such as tiles, sanitaryware, paints, electricals

and modular kitchens contribute 30 per cent. With strategic cross-selling and upselling driving growth with infrastructure clients, real-estate builders and dealers alike, this synergy strengthens our value proposition, enhancing procurement efficiency, offering stronger supply chain capability and unlocking new revenue streams for long-term growth.

The company has seen significant revenue growth. How do you plan to sustain this momentum while entering new segments?

Our revenue growth has enabled us to expand into new categories, strenathen manufacturina capabilities and improve supplychain efficiency through product diversification. Starting with concrete, the foundation for any construction, we cross-sell and upsell other product categories as the project evolves. We successfully sell multiple categories within the same project, even with dealers who have transitioned from singleproduct dealerships to multipleproduct procurement. Our platform allows us to capture a larger share of wallet within each project due to strong customer relationships. Our dealer lovalty is also high, as we help them serve project leads and improve their RoI on both capital and space. As platform awareness and technology adoption grow, we anticipate entering more projects, which will help us sustain this growth momentum.

DURABLE TILES

Asian Granito India has unveiled the Alvaro Collection, featuring zero reflective, scratch-resistant tiles with GRITECH Technology and SICURA Surfaces. Available in 600 x 1200mm with 8.5mm thickness, it offers 76 colour shades across 20 exquisite designs in textures like verline, carven, wavy, and roof texture. With fire and frost resistance, it is ideal for interiors, exteriors, and wall and floor installations.

Contact: Asian Granito

Website: www.aglasiangranito.com



ARCHITECTURAL CLADDING INNOVATION

Viva has introduced Bricklyn, a new addition to its Santa Fe series of aluminium composite panels (ACP). Inspired by traditional bricks, it is available in soft, muted tones to deep, rich hues. Featuring stucco textures and synchro technology, it offers durability, aesthetic versatility, and a 15-year warranty, making it ideal for contemporary architectural façades.



ADVANCED ENGINEERED **WOOD PANELS**

Action TESA has launched HDHMR boards and Boilo wooden boards, offering superior durability, moisture resistance, and sustainability. HDHMR, with an $850 + kg/m^3$



density, excels in high-moisture areas, while Boilo, boasting 1000+ kg/m³ density and fire-retardant properties, is ideal for extreme environmental conditions. These products address the challenges of traditional wood materials and offer durability.

Contact: Action TESA Website: www.actiontesa.com

SUSTAINABLE FLOORING

Span Floors has introduced Tenacity Eco Composite Flooring, an eco-friendly alternative with up to 80 per cent natural materials and 50 per cent post-consumer recycled content. PVC-free and waterproof, it offers scratch, stain, and wear resistance. Awarded the Domotex Green Collection Award 2024, it ensures durability and sustainability for residential and commercial spaces.

Contact: Span Floors Website: www.spanfloors.com



LUXURY SANITARYWARE

Valueline has introduced the OTIS Collection to India, featuring sculptural washbasins with bold geometric lines and soft curves. Crafted from high-quality ceramic, they come in Ceramica Cielo's Terre palette, blending seamlessly into modern luxury bathrooms.

Contact: Valueline

Website: www.valueline.in



PREMIUM TILE GROUT SOLUTION

Walplast has launched Homesure TileEx Cementitious Tile Grout for 3 mm tile joints. The product is polymer-modified, water-resistant grout offering low shrinkage, superior adhesion, and comes in 11 colours. Ideal for ceramic, vitrified,



and natural stone tiles, it ensures durability, easy application, and cleaning.

Contact: Walplast

Website: www.walplast.com

SEAMLESS POCKET SYSTEMS

Blum has launched REVEGO pocket system under its cabinet category. Featuring TIP-ON motion technology, doors open and slide effortlessly into pockets, offering a sleek, clutter-free aesthetic. With award-winning innovation and easy installation, it offers flexibility in modern open-plan spaces.

Contact: Blum

Website: www.blum.com



CUSTOMISABLE SHOWER SYSTEM

Hindware has unveiled the Pebble Thermostatic Shower System under its Pebble Series by Queo. It features three spray modes Pulse, Rain and Blend to tailor one's shower needs. With dual overhead and hand-held shower heads, it ensures a customised, luxurious, and comfortable experience. It also provides precise thermostatic control.

Contact: Queo by Hindware Website: www.queobathrooms.com



FWPROJECT UPDATE

NATIONAL



India Launches Five Pilot Projects for Hydrogen-Fuelled Vehicles

The Government of India has launched five pilot projects under the National Green Hydrogen Mission (NGHM) to deploy hydrogen-fuelled buses and trucks. Sanctioned by the Ministry of New and



Renewable Energy, these projects include 37 hydrogenpowered vehicles and nine refuelling stations across ten routes, including Delhi-Agra and Pune-Mumbai. Industry leaders such as Tata Motors, Reliance, and NTPC are involved, with ₹2.08 billion allocated. Expected within 18–24 months, these initiatives aim to advance hydrogen transport technologies, reduce fossil fuel dependency.

Contact: Ministry of New and Renewable Energy (MNRE)

Website: www.mnre.gov.in/en



PLI Scheme Fuels India's Manufacturina with ₹1.61 Trillion Investment

The Production Linked Incentive (PLI) scheme is driving India's manufacturing sector forward, fostering domestic production, job creation, and export growth. Investment worth ₹1.61 trillion has generated ₹14 trillion in production and creating over 11.5 lakh jobs. The scheme has transformed India's exports from traditional goods to high-value products such as electronics and pharmaceuticals, with exports surpassing ₹5.31 trillion. With 764 approved applications across 14 sectors, including 176 MSME beneficiaries, the scheme continues to attract significant investment.

Contact: NITI Aayog Website: www.niti.gov.in Email: niti@gov.in.



India's Data Centre Capacity to Surpass 2,000 MW

India's data centre (DC) capacity is set to rise to 2.000-2.100 MW by March 2027, up from approximately 1,150 MW in December 2024, according to ICRA. This surge is driven by increased data consumption and localisation initiatives. Indian DC operators are expected to invest ₹2-2.3 trillion, with a 3-3.5 GW pipeline projected over the next decade. Al-driven demand is shaping the global DC market, with India poised for significant expansion. Key hubs such as Mumbai, Chennai, and Hyderabad will benefit, while growing competition among developers may impact rental pricing dynamics.

Contact: ICRA Website: www.icra.in Tel: +91 9354738909



India's First **Exploration Licence Auction Launched** in Goa

The Union Ministry of Mines, in collaboration with the Government of Goa, has launched India's first-ever auction of Exploration Licences (ELs), marking a significant reform in mineral exploration. Union Minister for Coal & Mines, G. Kishan Reddy, and Goa Chief Minister, Dr. Pramod Sawant, inaugurated the event, which also saw the launch of the 5th Tranche of Auction of Critical Mineral Blocks and Al Hackathon 2025. Thirteen EL Blocks featuring rare earth elements, zinc, diamonds, copper, and platinum group elements were put up for auction.

Contact: Ministry of Mines Website: www.mines.gov.in Email: mos-mines@gov.in



Kalpataru Projects Secures ₹23.06 Billion in New Orders

Kalpataru Projects International (KPIL) secured ₹23.06 billion in new orders across domestic and international markets, bringing its total order book to ₹225 billion. The Transmission & Distribution (T&D) division won international contracts, while the Buildings & Factories (B&F) segment secured projects in India, KPIL operates in power transmission, buildings, water supply, railways, oil & gas pipelines, urban mobility, highways, and airports. It is executing projects in over 30 countries, with a presence in 75 nations.

Contact: Kalpataru Projects International Ltd

Tel: +91-22-3064 5000

Email: info@kalpataruprojects.com Website: www.kalpataruprojects.com

ANDHRA PRADESH



Andhra Pradesh Clears Over ₹1.21 Tn in Investments

The Andhra Pradesh State Investment Promotion Board (SIPB), led by Chief Minister N. Chandrababu Naidu, has approved investments exceeding ₹1.21 trillion from ten companies. These projects are set to create over 80,000 jobs, including ₹250 billion from Satyavedu Reserve Infracity (Sri City), ₹584.69 billion from Indosol Solar, and ₹220 billion from AP NGEL Harith Amrit. The Chief Minister has also directed the establishment of MSME parks across all 175 constituencies and the launch of five Ratan Tata Innovation Centres.

Contact: Andhra Pradesh State Investment Promotion Board Website: www.apedb.ap.gov.in Email: ceo@apedb.co.in

DAMAN AND DIU



PM Modi Unveils **Development Projects** worth ₹25.80 Bn

Prime Minister Narendra Modi has inaugurated a series of development projects valued at ₹25.80 billion in Silvassa, Union Territory of Dadra and Nagar Haveli and Daman and Diu. A major highlight was the inauguration of the 450-bed Namo Hospital, significantly enhancing healthcare services. Since 2014, the region has transformed into a hub of modern infrastructure, education, and tourism. Initiatives like Smart Cities Mission and Mission Manufacturing are driving progress, while tourism projects such as Ram Setu and a cable car in Diu are boosting growth.

GOA



Goa Secures ₹5.23 Billion in Central Tax and Tourism Boost

Chief Minister Pramod Sawant announced that Goa's revenue will rise by ₹5.23 billion as part of its central tax share, bringing total devolution for 2025-26 to ₹54.9 billion. Infrastructure projects will receive ₹4.82 billion for Konkan and South Western Railways,



facilitating Vande Bharat train services on the Canacona-Pernem route. Goa will establish two Day Care Cancer Centres and support over 3,000 street vendors under the revamped PM Svanidhi scheme. Additionally, tourism will benefit from homestay loans, medical tourism initiatives, and upgrades to major destinations.

Contact: Government of Goa Email: stateportal.goa@nic.in Website: www.goa.gov.in

GUJARAT



JK Tyre Expands Retail Presence in Gujarat

JK Tyre & Industries has inaugurated a new JK Truck Wheels Centre in Gandhidham, increasing its footprint in Gujarat's logistics hub. Strategically located near Mundra and Kandla ports, the state-ofthe-art centre offers computerised wheel alignment, tyre rotation, health monitoring, and expert advisory services. JK Tyres has 850 brand shops and 6,000 channel partners across India.

Contact: JK Tyre & Industries Email: contactus@jkmail.com Website: www.jktyre.com

KARNATAKA



Karnataka Greenlights Infra Projects

The Karnataka cabinet, led by CM Siddaramaiah, has greenlit major infrastructure and technology initiatives, including IIIT-Bengaluru's ₹8.17 billion (bn) expansion, with ₹2.85 bn state funding over seven years. A ₹750 bn cluster seed fund aims to boost startups beyond Bengaluru, while ₹708 million has been allocated for Semiconductor Future Accelerator Lab 2.0. A new clean mobility policy is to attract ₹500 bn in investments, alongside ₹20 bn in World Bank-backed water projects for Bengaluru.

Contact: Government of Karnataka Website: www.karnataka.gov.in/english

PROJECT UPDATE

KERALA



Kerala Budget **Prioritises** Infrastructure

The final budget of the second Pinarayi Vijayan government emphasises infrastructure growth with key projects, including the Vizhinjam-Kollam-Punalur Growth Triangle (VKP-GT), West Coast Canal and Coastal Highway expansion, the Wayanad tunnel project, and Vizhinjam's transformation into an Exim hub. The VKP-GT will receive ₹10 billion from KIIFB for transport corridors, logistics centres, and industrial parks. The Vizhinjam port's expansion will now be completed by December 2028.

Contact: Government of Kerala Tel: 0471-2332184 Website: kerala.gov.in

MAHARASHTRA



Maharashtra unveils ₹7.20 Tn budget for 2025-26

London-based entrepreneur Arun Kar will invest ₹1.25 billion in three ventures in Odishamanufacturing plastic-free bio bags, recycling lithium-ion batteries, and processing maize seeds. The bio-bag plant, using renewable materials like cornstarch and sugarcane derivatives, will produce 200 tonne annually in Jagatsinghpur. A ₹500 million (mn) lithium-ion battery recycling facility, in collaboration with a UK-Canadian partner, will recover critical materials like lithium and cobalt. The ₹250 mn maize seed processing unit in Nabarangpur will support tribal farmers with fair pricing.

Contact: Department of Finance, Government of Maharashtra Website: www.finance.maharashtra.gov.in

ODISHA



Mahanadi Waterfront Project to Transform Cuttack's Riverfront

The Odisha government, in collaboration with urban planners and environmental experts, has unveiled the Mahanadi Waterfront Project, an ambitious initiative aimed at revitalisina the riverfront while promoting ecological conservation and urban development. Key features include eco-friendly water management, pedestrian walkways, river cruises, and flood resilience measures. Aimed at boosting tourism and improving residents' quality of life, the initiative aligns with India's focus on sustainable urban development.

Contact: Government of Odisha

Tel: 0674-2322165 Email: cmo@nic.in

Website: www. odisha.gov.in/

TAMIL NADU



RPP Infra Wins ₹1.08 Bn Contract for TN Mega Leather Park

RPP Infra Projects has secured an ₹1.08 billion contract from the State Industries Promotion Corporation of Tamil Nadu for development at the SIPCOT Mega Leather Park in Panapakkam, Ranipet. The project includes constructing a customs office, medical facility,



plug-and-play infrastructure, warehouse and water supply system.

Contact: RPP Infra Projects Website: www.rppipl.com

UTTAR PRADESH



Uttar Pradesh Unveils New Policy to Strengthen Rural Sanitation

Uttar Pradesh government has launched a policy to enhance rural sanitation and ensure the sustainable management of sanitation infrastructure in gram panchayats. Aligned with the Swachh Bharat Mission (Rural), the policy focuses on solid and liquid waste management, plastic waste disposal, faecal sludge management, and biogas unit construction under the Gobardhan Yojana. With 85,827 villages already recognised as model ODF Plus, the initiative aims for complete sanitation coverage by 2025.

Contact: Department of Panchayati Raj, Uttar Pradesh

Email: panchraj@nic.in

Website: panchayatiraj.up.nic.in

INTERNATIONAL



Italy's Fontana Acquires Majority Stake in Right Tight Fasteners

Italian fasteners manufacturer Fontana Gruppo is set to acquire a 60 per cent stake in India's Right Tight Fasteners Pvt Ltd for approximately ₹10 billion (\$114.4 million). As part of the deal, Nashikbased Right Tight will take over Fontana's Indian operations before the merger. The acquisition strengthens Fontana's presence in India, positioning the combined entity among the country's largest

fastener manufacturers. Fontana CEO Giuseppe Fontana emphasised India's strategic importance in the company's localisation strategy. The move reflects growing investment in India's auto components sector, following recent acquisitions by Carlyle, Bain Capital, and Warburg Pincus.

Contact: Fontana Gruppo Email: fontana@fontana-group.com Website: www.gruppofontana.it





1 9th India-Australia Defence Policy Talks Reinforce Strategic Ties

The 9th India-Australia Defence Policy Talks strengthened defence cooperation between the two nations. Joint Secretary Shri Amitabh Prasad led the Indian delegation,



while Australia was represented by Bernard Philip, First Assistant Secretary, International Policy Division. Discussions covered maritime security, joint exercises, defence industry collaboration, and science & technology partnerships.



India-Mauritius Joint Vision for a Strategic Partnership

During Prime Minister Narendra Modi's state visit to Mauritius, he and Prime Minister Dr Navinchandra Ramgoolam reaffirmed their nations' deep historical, cultural, and economic ties. Key initiatives include infrastructure projects, maritime security, trade cooperation, and digital governance. India will support Mauritius with electric buses, water pipeline upgrades, and a new Parliament building. Trade ties will deepen under CECPA, and collaboration in cybersecurity, healthcare, and space will expand.

Contact: Prime Minister's Office Website: www.pmoindia.gov.in **Tel:** +91-11-23012312



India and New Zealand Begin **FTA Negotiations**

India and New Zealand have officially launched negotiations for a comprehensive Free Trade Agreement (FTA), marking a significant step in deepening economic ties. Announced during a meeting between Indian Prime Minister Narendra Modi and New Zealand Prime Minister Christopher Luxon, the initiative underscores both nations' commitment to strengthening trade and investment. The talks were formally initiated by India's Commerce Minister Piyush Goyal and New Zealand's Trade Minister Todd McClay on 16 March 2025. The FTA aims to enhance market access, supply chain integration, and sustainable growth.



Blackstone Acquires Safe Harbor Marinas for \$5.65 Billion

Blackstone Infrastructure has acquired Safe Harbor Marinas, the largest U.S. marina and superyacht servicing company, from Sun Communities for \$5.65 billion. Safe Harbor operates 138 marinas across the U.S. and Puerto Rico, reinforcing Blackstone's investment in leisure and coastal infrastructure. Senior Managing Director Heidi Boyd highlighted the sector's growth potential amid rising travel and coastal living trends.

Contact: Blackstone Infrastructure Website: www.blackstone.com Tel: +91 (0)22 6752 8500

POWER UPDATE



Hetvi Construction Secures 125 MW Solar **EPC Contract in Assam**

Hetvi Construction, in collaboration with Waaree Renewable Technologies and Jayantisuper Construction, has won an EPC contract from Assam Power Distribution Company (APDCL) for a 125 MW solar power plant in Karbi Analona, Assam, boosting the state's renewable energy capacity, Additionally, Hetvi Construction is actively executing tube well-based water supply projects across Uttar Pradesh under the Jal Jeevan Mission, enhancing access to clean water. Led by Hitesh Bhuva and Tarana



Savaliya, the company remains committed to India's infrastructure growth and aims to develop 1,000 MW in renewable energy projects.

Contact: Hetvi Construction Tel: 91 7949356914

Website: www.hetviconstruction.com



Jubilant Ingrevia Partners with O2 Power for RE at **Bharuch Facility**



Jubilant Ingrevia has signed a power purchase agreement (PPA) with O2 Power through its subsidiary, Jubilant Infrastructure, to supply renewable energy to its SEZ Bharuch Manufacturing Facility. The agreement follows a similar deal last year for its Savli, Gujarat, and Gajraula, Uttar Pradesh plants, with supply set to commence in April 2025. With this latest initiative, over 35 per cent of Jubilant Ingrevia's total energy needs across its manufacturing units will be met through renewable sources.

Contact: Jubilant Ingrevia Website: www.jubilantingrevia.com Tel:+91 120 4361 000

Email: ingrevia.support@jubl.com



Tamil Nadu Floats 1 GWh Battery Storage Tender with **VGF** Support

Tamil Nadu Green Energy Corporation (TNGECL) has invited bids for six standalone battery energy storage systems (BESS) with a total capacity of 1,000 MWh (500 MW x 2 hours) to support Tamil Nadu Power Distribution Corp (TNPDCL) in managing peak and off-peak demand. Under the viability gap funding (VGF) scheme, the central government will cover up to 30 per cent of capital costs or ₹2.7 million per MWh, whichever is lower. Developed under a buildown-operate (BOO) model, the project aims to enhance grid reliability, renewable integration, and power stability in Tamil Nadu.

Contact: Tamil Nadu Green Energy Corporation (TNGECL) **Tel:** 91 044-2852 0409 Website: www.tn.gov.in



Juniper Green **Energy Commissions** 100 MW Solar **Project for Bhutan**

Juniper Green Energy has successfully commissioned a 100-MW solar power project in Rajasthan, facilitating crossborder electricity supply to Bhutan. Under a bilateral trade framework, Bhutan will receive 50 per cent of the generated power during winter months, markina a significant step in regional energy integration. Juniper Green Energy, a subsidiary of the AT Group. specialises in solar, wind, and hybrid renewable projects. The company, founded in 2018, currently operates a total capacity of 1.1 GWp.

Contact: Juniper Green Energy Website: www.junipergreenenergy



Odisha Seeks Bidders for 20 MW **Solar Projects** Under PM-KUSUM

The Odisha Renewable Energy Development Agency (OREDA) has invited expressions of interest (EoI) for 20 MW solar power projects under Component A of PM-KUSUM. Each site will have a 2 MW capacity. The project covers EPC selection, land leasing, design, supply, construction, and commissioning. Eligible bidders must have 5 MW installed capacity and a ₹300 million turnover over three years. Earlier, OREDA invited bids for 4 MW rooftop solar projects with battery storage and 10,000 off-grid solar water pumps under Component-B of PM-KUSUM.

Contact: Odisha Renewable Energy Development Agency (OREDA) Website: www. oredaodisha.com/en/

Tel: 0674 258 8260





25th June 2025 | Courtyard by Marriott, Mumbai

Technology Transforming Construction & Project Management



Conference Highlights:

- Al in Construction
- Showcasing Construction Technology Start-ups
 - Funding Innovation
- Sustainable Construction | Digital Twin | Geo-Spatial | Volumetric Precasting | and more...

For Sponsorship, contact: Ratan: Ratan.R@asappinfoGlobal.com: 8422874021

Speaking Opportunitie

Kajal: Conference2@asappinfoGlobal.com | +91 70967 75263

Siraj: +91 97695 77206 | Siraj.K@ASAPPinfoGlobal.com/

www.constructionworld.in/events/constructiontechnology

TRANSPORT UPDATE

AIRPORTS



Leh Airport Leads India's Green Aviation Revolution

Leh Kushok Bakula Rinpoche Airport is set to become India's first airport powered by aeothermal and solar energy, supporting Ladakh's carbon-neutral vision. With a ₹6.50 billion investment, it will replace conventional airconditioning with geothermal underfloor

heating, reducing emissions and water usage. Solar panels will generate 700 KW, cutting energy consumption by 2,800 KW. The expanded terminal, operational by 2027, will accommodate 54 daily flights. Featuring triple-glazed glass for natural lighting and local



architectural elements, this project sets the potential of renewable energy in reducing aviation's environmental footprint.

Contact: Airports Authority of India (AAI) Website: www.aai.aero Tel: 91-11-24632950 Email: cvoaai@aai.aero



Madhya Pradesh Approves New Airport for Shivpuri

The Madhya Pradesh government has allocated 292 acres for a new airport in Shivpuri, enhancing the state's air connectivity. Approved in a cabinet meeting led by Chief Minister Dr Mohan Yadav, the project will upgrade the existing airstrip into a fullfledged airport, managed by the Airports Authority of India (AAI) and capable of handling ATR-72 aircraft. Union Minister Jvotiraditva Scindia, instrumental in securing approvals, welcomed the decision. Once operational, the airport will boost economic growth.



Fly Bharathi Aviation Signs ₹7.5 Bn MoU for **Ujjain Airport**

Fly Bharathi Aviation and Aeronautics has signed a Memorandum of Understanding (MoU) with the Government of Madhya Pradesh to invest ₹7.5 billion in developing an airport in Ujjain. Announced at the Global Investment Summit, this landmark agreement is set to transform air connectivity. In the financial year 2023-24 alone, the city welcomed 528 million tourists, a number expected to rise significantly, particularly with the development of Mahakal Lok, which has boosted tourism.

Contact: Fly Bharathi Aviation and Aeronautics

Website: www. flybharathi.com



APADCL Invites Tenders for **Greenfield Airports**

The Andhra Pradesh Airports **Development Corporation** Limited (APADCL) has invited tenders for a Techno-**Economic Feasibility Report** (TEFR) on Greenfield international airports in Amaravati and Srikakulam. The consultant will assess economic viability, master planning, environmental impact, and regulatory approvals. The Amaravati airport will attract global IT and industrial investments. while the Srikakulam airport, near NH-16 and the Bay of Bengal, will serve aerospace and defence industries.

Contact: Andhra Pradesh Airports **Development Corporation Limited** (APADCL)

Tel: 0866-461 3406 Website: www.apadcl.com



BLR Airport and Menzies Open India's Largest Cargo Terminal

Kempegowda International Airport Bengaluru (BLR Airport), operated by Bangalore International Airport, has partnered with Menzies Aviation to launch India's largest Greenfield Domestic Cargo Terminal. Spanning 245,000 sq ft, the facility enhances cargo handling efficiency, with a capacity of 360,000 metric tonne, expandable to 400,000 metric tonne. Equipped with real-time tracking, automated kiosks, and dedicated storage for perishables and hazardous goods, the terminal also integrates sustainable features features like skylighting and energy-efficient infrastructure.

Contact: Menzies Aviation Tel: +44 (0) 131 459 8162 Website: www.menziesaviation.com

RAILWAYS



Railways Expands Freight Corridors and **Boosts Capacity**

The Ministry of Railways has commissioned 96.4 per cent of the Dedicated Freight Corridors (DFC). with the Eastern (1,337 km) and Western (1,506 km) corridors largely operational. Detailed project reports for three new DFCs-East-Coast, East-West, and North-South—are under review. Freight

trains have increased from 247 in 2023-24 to 371 in 2025, improving efficiency. Infrastructure upgrades include interlocking at 6,623 stations, advanced signalling, and Kavach ATP deployment. With modernised rolling stock and Rashtriya Rail Sanraksha Kosh (RRSK) funding, Indian Railways continues to expand freight capacity, reducing logistics costs and boosting economic growth.

Contact: Ministry of Railways Website: www.indianrailways.gov.in

Tel: 02-23386645



Kernex Microsystems Consortium Secures ₹3 25 Bn Contract

Kernex Microsystems (India), leading the KERNEX-MRT consortium, has won a ₹3.25 billion contract from South Eastern Railway to supply, install, test, and commission Kavach across 688 route km in the Kharagpur and Chakradharpur divisions. The project, aimed at preventing collisions, overspeeding, and signal violations, will be completed within 1,000 days. Kavach, India's indigenous Train Collision Avoidance System (TCAS), plays a crucial role in enhancing railway safety.

Contact: Kernex Microsystems Website: www.kernex.in



RVNL Secures ₹1.56 Bn EPC **Contract for South** Western Railway

Rail Vikas Nigam (RVNL) has won a ₹1.56 billion EPC contract for South Western Railway, covering 99.463 RKM and 114.145 TKM. The project includes Transmission Substations (TSS), Switching Posts (SPs), Sectioning and Paralleling Posts (SSPs), along with electrical, engineering, and telecom works. Classified as a domestic project under SEBI regulations, it will be completed within 18 months. Awarded through a standard bidding process, the contract does not involve promoter group companies or related party transactions.

Contact: Rail Vikas Nigam Ltd (RVNL)

Tel: 011-26738299 Website: www. rvnl.org



TBM Advar **Achieves Major** Breakthrough for Metro Phase 2

L&T's TBM Adyar (S-1326A) has made a major breakthrough at Adyar Junction for Chennai Metro Phase 2's Line 3. The 100m-long TBM successfully tunneled 300m under the Adyar River. L&T is constructing 24 km of twin tunnels under Package TU-02, secured for ₹23.85 billion in 2021. With 10 breakthroughs now completed, key milestones include tunneling at Sterling Road and Adyar Junction. Officials affirm that Chennai Metro Phase 2 is advancing steadily, enhancing urban connectivity and bringing the city closer to a modern, efficient metro network.

Contact: L&T Tel: 0172-464 6800

Website: www.larsentoubro.com



3rd AC Becomes Indian Railways' Top Revenue Earner

Indian Railways has witnessed a remarkable rise in 3rd AC travel, surpassing sleeper class in revenue for the first time. This surge reflects passengers' growing preference for comfort, hygiene, and affordability post-Covid. In 2019-20, 110 million passengers traveled by 3rd AC, rising to 260 million in 2024-25, a 19 per cent increase. Revenue iumped from ₹123 billion (bn) to ₹300 bn, making it the highest-earning class. The pandemic accelerated this shift, as passengers prioritise cleaner, safer journeys. With increasing demand, 3rd AC is now redefining long-distance travel.

Contact: Ministry of Railways Website: www.indianrailways.gov.in Tel: 02-23386645



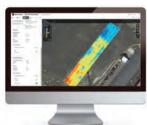
TRANSPORT UPDATE

ROADWAYS



Wirtgen Group's Smart Automation Nominated for Innovation Award

Smart Automation in Roadbuilding by Wirtgen Group, nominated for the bauma Innovation Award 2025, enhances precision in asphalt reclamation and paving. It uses digital terrain models to automate milling depth, screed positioning, and data transfer, improving quality and reducing material waste. The Work Planner



ensures data accuracy, while Smart LEVEL PRO and Smart Pave streamline planning and execution. Automated steering and screed control maintain tight tolerances, and built-in GNSS receivers enable precise localisation. A user-friendly interface reduces operator workload, ensuring efficiency, cost savings, and sustainability in road construction with optimised planning and seamless project execution.

Contact: Wirtgen Group

Tel: +49 26 45 131 0 Email: info@wirtgen.de

Website: www.wirtgen-group.com



NHAI to Develop ₹91 Bn Road for **Delhi Connectivity**

The National Highways Authority of India (NHAI) is preparing Detailed Project Reports (DPRs) for three proposed road links in Delhi, with an estimated cost of ₹91 billion. The final budget will be determined upon DPR completion within six to seven months, initiating the construction phase. Key projects include a ₹25 billion, 20 km link road connecting UER-II to the Delhi-Katra Expressway via the KMP Expressway, a 17 km corridor linking UER-II near Alipur to Tronica City, and a 35 km bypass for East Delhi.

Contact: NHAI

Website: www.nhai.gov.in



Ceigall India Secures \$111 Mn Contract for **Ludhiana Bypass**

Ceigall India has won a major contract from the National Highways Authority of India (NHAI) to develop a six-lane Greenfield southern Ludhiana bypass. The company received the Letter of Award (LOA) on 13 March 2025, as per a stock exchange filing. Part of the Ludhiana-Aimer Economic Corridor, the 25.24 km stretch will link NH44 near Rajgarh and Ballowal. Awarded under the Hybrid Annuity Mode (HAM), the project is valued at \$111 million and is set for completion within 24 months.

Contact: Ceigall India Email: info@ceigall.com **Tel:** +91-161-4623666 Website: www.ceiaall.com



Telangana Adopts **HAM** to Accelerate Road Development



The Telangana government is set to implement the Hybrid Annuity Model (HAM) to expedite its road infrastructure projects. Under HAM, the state will contribute 40 per cent of the project cost. with private developers funding the remaining 60 per cent. Telangana has outlined plans to develop 17,000 km of rural roads by 2028, investing ₹280 billion to improve connectivity, support local businesses, and strengthen supply chains.

Contact: Government of Telangana Website:

www. roadbuild.telangana.gov.in **Tel:** 8333923736



Gorakhpur-Panipat Expressway to Enhance UP-Haryana Connectivity

India's infrastructure expansion gains momentum with the upcoming Gorakhpur-Panipat Expressway, a 750 km corridor designed to streamline travel between Uttar Pradesh and Harvana. The National Highways Authority of India (NHAI) has appointed a Delhi-based ICT firm as the project consultant, responsible for preparing the Detailed Project Report (DPR) and overseeing land demarcation. As part of the country's strategy to bolster regional connectivity, this expressway is set to improve travel efficiency and economic integration between the two states.

Contact: National Highways Authority of India (NHAI) Website: www.nhai.gov.in **Tel:** +91-11-25074200

PORTS



Reliance to Acquire 74 per cent Stake in NSPL

Reliance Strategic Business Ventures (RSBVL), a Reliance Industries subsidiary, is acquiring 74 per cent of Nauyaan Shipyard (NSPL) from Welspun Corp for ₹3.82 billion, pending adjustments. NSPL's leasehold covers 138 acres near RIL's Dahei plant, designated for salt handling, engineering fabrication, and hydrogen electrolyser manufacturing. With an ₹6.43 billion (bn) enterprise value, NSPL's 100 per cent equity is ₹5.17 billion, with ₹9.3 bn payable to WCL. Regulatory approvals are underway, with the deal expected to close by March 21, 2025.

Contact: Reliance Industries Tel: +91-22-3555-5000 Email: info@ril.com Website: www.ril.com



Goa Shipyard Launches Second P1135.6 Frigate Tavasva

Goa Shipyard (GSL) has successfully launched Tavasya, the second Project 1135.6 frigate, reinforcing India's Atmanirbhar Bharat vision in defence manufacturing. The vessel boasts stealth features, advanced combat systems, and over 56 per cent indigenous content, significantly surpassing similar foreign-built ships. Defence officials lauded GSL's recordbreaking launch of two weapon-intensive frigates in just eight months. With a 3,800-tonne displacement, Tavasya enhances the Indian Navy's operational might.

Contact: Goa Shipyard Ltd Tel: 91-832-2512152 **Email:**

contactus@goashipyard.com Website: www.goashipyard.in



K&R Rail **Engineering Signs** MoU with Indian Port Rail & Ropeway

K&R Rail Engineering has signed an MoU with Indian Port Rail & Ropeway to collaborate on large-scale infrastructure projects in India and globally. This partnership will focus on railway, road, highway, and port projects valued between ₹500 million (mn) and ₹50 billion, enhancing efficiency and expanding infrastructure opportunities. K&R Rail, specialising in EPC, reported a 523.3 per cent surge in net profit in Q3 FY25, reaching ₹60.42 mn. The company has expertise in track construction, electrification, and railway operations.

Contact: K&R Rail Engineering Tel: 04029345259

Email: info@krrailengg.com Website: www.krrailengg.com



India Plans Fivefold Expansion of Chabahar Port

India is investing ₹40 billion to expand Iran's Chabahar Port, aiming to boost capacity to 500,000 TEUs over the next decade. The plan includes mobile harbour cranes, a second berth, and modernisation efforts by India Ports Global Ltd (IPGL) to attract Indian shipping lines. Chabahar, a key hub in the International North-South Transport Corridor (INSTC), has seen a 43 per cent rise in vessel traffic and 34 per cent growth in container volumes.

Contact: India Ports Global Ltd (IPGL) Website: www.ipgl.co.in Email: indiaportsglobal@gmail.com



Maersk to Invest \$5 Billion in Indian Port Infrastructure

Maersk plans a \$5 billion (bn) investment in India's port and logistics infrastructure, focusing on Pipavav Terminal (Gujarat) and Vadhavan Port (Maharashtra). The entity has earmarked \$2 bn for expanding Pipavav, while the remaining funds will support Vadhavan's container



terminal development. However, the investment hinges on extending its Pipavav concession beyond 2028 and winning a tender at Vadhavan. Negotiations with the Gujarat Maritime Board continue, with no resolution yet. As India expands its port sector, Maersk aims to strengthen its foothold, competing for upcoming container terminal contracts at Vadhavan and other Gujarat ports.

Contact: Maersk

Website: www.maersk.com Tel: 91 44 25362201

REAL ESTATE UPDATE



Manglam Group Unveils ₹10 Bn Hospitality Expansion

Manglam Group has announced a ₹10 billion (bn) expansion into India's luxury hospitality sector over the next five years. With over 70 completed real estate projects, the group is focusing on greenfield developments, targeting destination weddings, leisure travel, and meeting, incentives, conferences and exhibitions (MICE). Following the Westin Jaipur Resort, work has begun on a 200-room luxury hotel in Jagatpura, Jaipur, in collaboration with an international brand. Rajasthan's booming ₹10.8 trillion



wedding industry and ₹375 bn MICE market is fueling the expansion.

Contact: Manglam Group Website: www.manglamgroup.com **Tel:** 0141-4311135

Email: info@manglamgroup.com



Brigade Enterprises Unveils ₹27 Bn **Residential Project**

Brigade Enterprises has launched Brigade Eternia, a 14.65-acre residential project in Yelahanka, Bengaluru, featuring 1,124 units with a built-up area of 20 lakh sq ft. The project, expected to generate over ₹27 billion in revenue, is set for completion by March 2030. Established in 1986, Brigade Enterprises is a

key player in South India's real estate sector. Despite a 9 per cent decline in Bengaluru's housing sales in 2024, Yelahanka remains a prime location due to infrastructure growth and rising demand.

Contact: Brigade Enterprises Tel: 91 80 4137 9200

Website: www.brigadegroup.com



Blackstone to Acquire 40 per cent Stake in Kolte-Patil Developer

U.S. investment firm Blackstone is set to acquire a 40 per cent stake in Kolte-Patil Developers for ₹11.67 billion (bn). The deal includes a 14.3 per cent preferential share allotment for ₹4.17 bn and the purchase of a 25.7per cent stake from promoters for ₹7.5 bn. This triggers an open offer under Indian regulations, allowing Blackstone to acquire up to 26 per cent more shares. With two decades in India, Blackstone is a



major player in office spaces, malls, and logistics.

Contact: Kolte-Patil Developers Website: www.koltepatil.com Tel: +91 20 6622 6500



Hyderabad's Luxury Housing Market Grows

Hyderabad's premium housing market is thriving despite an overall decline in property registrations. A Knight Frank India report shows a 1 per cent rise in registrations for properties above ₹100 million, even as overall registrations fell 16 per cent Y-o-Y in February 2025. Premium homes made up 18 per cent of total sales, while affordable housing (below ₹50 lakh) saw a 20 per cent drop. Homes sized 1,000-2,000 sq ft remained most popular, while those above 2,000 sq ft rose to 17 per cent from 13 per cent last year.

Contact: Knight Frank Website: www.knightfrank.com



Vascon Engineers **Enters Mumbai** Market with ₹3 Bn **Luxury Project**

Vascon Engineers has debuted in Mumbai's real estate sector with Vascon Orchids, a luxury residential project in Santacruz (West). Developed through a high-profile redevelopment on Linking Road, the project has a Gross Development Value (GDV) of ₹3 billion. It features 62 premium 2 BHK and 3 BHK units across three wings, offering amenities like a Bocce Ball court, Cornhole game area, and a gym. Strategically located near the Coastal Road Connector and SV Road metro. project marks a expansion for the company, which has delivered over 225 projects across 30 cities.

AP CRDA Approves ₹377.02 Bn for Amaravati Infra

The Andhra Capital Region Development Authority (AP CRDA) has sanctioned 59 tenders worth ₹377.02 billion (bn) for Amaravati's infrastructure development, pending State Cabinet approval on March 17. Originally, 73 projects worth ₹480.12 bn were proposed, with 59 receiving clearance. Of these, 22 projects fall within AP CRDA limits at ₹226.07 bn, while 37 under Amaravati Development Corporation total ₹150.95 bn. Over 20,000 workers will be involved in construction. To fund development, revenue from surplus land sales or mortgages will be used.

Contact: Andhra Capital Region Development Authority (AP CRDA) Website: www.crda.ap.gov.in



IHCL to Launch Taj Alibaug Resort

Indian Hotels Company (IHCL) has announced the signing of Taj Alibaug Resort & Spa, a 156-key luxury hotel in Maharashtra's coastal hotspot. The property will feature an all-day dining restaurant, a specialty Konkan Café, a bar, and a lobby lounge, alongside 8,500 sq ft of banqueting space, a swimming pool, fitness centre, and Taj's J Wellness Spa. Suma Venkatesh, EVP – Real Estate & Development, IHCL, noted Alibaug's rising appeal due to improved connectivity with Mumbai and Pune. IHCL's Maharashtra portfolio grows to 38 hotels

Contact: Indian Hotels Company Website: www.ihcltata.com



Sunteck Realty Launches Subsidiary Astrica **Realtors for Expansion**

Sunteck Realty has incorporated a wholly owned subsidiary, Astrica Realtors (ARPL). ARPL will focus on construction, real estate, and allied activities. Sunteck Realty has acquired 100 per cent of ARPL's share capital, investing ₹1,00,000 in 10,000 equity shares. A major player in India's luxury real estate



market, Sunteck Realty oversees 52.5 million sq ft across 32 projects. The company posted a ₹425 million (mn) net profit in Q3 FY25, reversing a ₹973 million (mn) loss in Q3 FY24, with revenue surging 281.06 per cent year-on-year to ₹1.61 billion.

Contact: Sunteck Realty Tel: 91 2261989898 Email: info@sunteckindia.com Website: www.sunteckindia.com



Nagpur Tops in RERA-Compliant Housing

A study by eXp India has revealed that Nagpur leads Indian cities in RERA-compliant housing, with 38 per cent of listed properties meeting regulatory standards. Surat (36 per cent) and Indore (29 per cent) follow closely, while cities like Pune (26 per cent), Hyderabad (24 per cent), and Navi Mumbai (22 per cent) also

show strong compliance. In contrast, Delhi ranks lowest, with just 0.6 per cent of homes meeting RERA norms. Since its introduction in 2016, RERA has improved transparency, grievance redressal, and timely housing delivery.

Contact: eXp India **Tel:** +911141169977

Website: www.expglobalindia.co.in



MICL Unveils India's Tallest Ultra-Luxury Residential Tower in Mumbai

Man Infraconstruction (MICL) has launched Avaan Tower 2, a 306-m residential skyscraper in Tardeo, Mumbai, making it India's tallest ultra-luxury residential tower. Designed by Hafeez Contractor, the project spans 650,000 sq ft and offers 3, 4, and 5 BHK residences with carpet areas from 1,300 to 3,282 sq ft. MICL expects revenues exceeding ₹30 billion from this landmark project. Residents will enjoy 55 premium amenities, including an ocean-view infinity pool, UFC gym, private



theatre, and bowling alley. The launch aligns with rising demand from high-net-worth in Mumbai's luxury real estate.

Contact: Man Infraconstruction (MICL) Website: www.maninfra.com

EQUIPMENT UPDATE



Tata Hitachi's ZAXIS 38U is Redefining Mini Excavation

Tata Hitachi's ZAXIS 38U mini excavator combines precision. efficiency, and versatility, making it ideal for urban construction. agriculture, and infrastructure projects. Its zero-tail swing enhances manoeuvrability in tight spaces, while a 5.21m digging reach and 134-degree boom swing boost adaptability. Designed for fuel efficiency and low operating costs, it features a 0.11m3 GP bucket for increased productivity. Operator comfort is prioritised with an ergonomic workstation, and easy-access maintenance points ensure



durability. The ZAXIS 38U is more than just a machine—it's a compact powerhouse redefining expectations in mini excavators.

Contact: Tata Hitachi Tel: 0836-2432555

Website: www.tatahitachi.co.in



Wolffkran Unveils the New WOLFF 550 B Luffing Jib Crane

Wolffkran has introduced the WOLFF 550 B, a high-capacity luffing jib crane designed to meet the growing demand for large cranes in infrastructure, industrial, and data centre projects. Positioned between the WOLFF 355 B and WOLFF 630 B, it boasts a maximum lifting capacity of 30 tonne, extendable to 36 tonne with an upgraded hoist winch. Featuring market-leading lifting speeds, enhanced freestanding heights, and a flexible cabin placement, the 550 B ensures efficiency and adaptability. Set to launch globally this year, it marks a new benchmark in Wolffkran's product innovation, catering to complex high-rise construction needs.

Contact: Wolffkran Tel: +41 41 766 85 00 **Email:** info@wolffkran.com Website: www.wolffkran.com



SANY Unveils ST230V Skid Steer Loader



SANY Heavy Industry has launched the ST230V skid steer loader, designed for the European and American markets. Compact yet powerful, it excels in high-density urban environments, tackling space constraints and labour costs with unmatched efficiency. Meeting CE and EPA Tier 4 Final standards, it features advanced anti-tipping control and a robust support network ensuring rapid servicing. With warranty and on-site technician support, the ST230V redefines performance in compact equipment.

Contact: Sany Tel: 1800 209 3337

Website: www.sanyglobal.com



TKIL's Hyderabad Manufacturina **Plant Earns Five-**Star Safety Gradina

TKIL Industries' Hyderabad heavy enaineerina facility has achieved a Five-Star grading in the Occupational Health and Safety Audit by the British Safety Council, following the same recognition for its Pimpri plant. This underscores TKIL's unwavering commitment to workplace safety and operational excellence. The Hyderabad plant, operational since 1988, fabricates equipment for core industries and executes EPC projects, TKIL leaders hailed this milestone as a testament to their dedication to employee well-being.

Contact: TKIL Tel: 91-20-27425461 Email: tkil@tkil.com Website: www.tkil.com



Volvo CE Delivers High-Reach **Demolition Excavator**

Volvo Construction Equipment (Volvo CE) has handed over the EC380DL UHR High-Reach Demolition Excavator to United Saw Services (USS) in Hyderabad, reinforcing its commitment to safe and sustainable demolition. Featuring a 23-metre reach and equipped with the CR-20 concrete crusher, the machine ensures controlled, low-impact demolition in urban settings. Deployed for the precision dismantling of a fire-damaged 50,000 sq ft building, it exemplifies company's role in high-reach demolition.

Contact: Volvo Construction Website: www.volvoce.com/india

Tel: 1800 108 6586

CEMENT UPDATE



UltraTech Cement Expands Capacity to 178.86 MTPA



UltraTech Cement has increased its domestic grey cement production capacity by 1.2 MTPA, with expansions at Hirmi, Chhattisgarh (0.8 MTPA), and Roorkee, Uttarakhand (0.4 MTPA). Further growth plans include 1.9 MTPA in Bihar, 1.4 MTPA each in

Raiasthan and Madhya Pradesh. and 1.5 MTPA in Odisha. This brings its total cement capacity to 184.26 MTPA, including 5.4 MTPA overseas. UltraTech remains focused on core operations, ruling out new ventures while targeting an IRR below 25 per cent and RoCE above 20 per cent. The expansion aligns with its strategy to enhance efficiency and maintain market leadership without significant pricing pressure.

Contact: UltraTech Cement Tel: +91-22-66917800

Email:

ultratech.communication@aditvabirla.com Website: www.ultratechcement.com



Dalmia Bharat to Add 6 MTPA **Cement Capacity** in Maharashtra

Dalmia Bharat has announced a ₹35.2 billion investment to expand its cement production capacity in Maharashtra and Karnataka. The plan includes a 3.6 MTPA clinker unit and a 3 MTPA grinding unit at its Belgaum plant, Karnataka, along with a 3 MTPA greenfield grinding unit in Pune. Expected to be commissioned by Q4 FY27, this expansion will increase Dalmia Bharat's total capacity to 55.5 MTPA, supporting its goal of 75 MTPA by FY28. The initiative strengthens the company's pan-India presence while addressing growing infrastructure demand in Western India.

Contact: Dalmia Bharat Tel: +91 11 23465100 Website: www.dalmiabharat.com



JK Lakshmi Cement to Invest ₹110 Bn in Assam

JK Lakshmi Cement (JKLC) has signed an MoU with the Assam government at the Advantage Assam 2.0 Summit to develop a ₹110 billion Greenfield cement project. Signed by Arun Shukla, President & Director, JKLC, in the presence of CM Himanta Biswa Sarma, the project will be completed over 7-8 years, focusing on cement production and value-added products. It aims to create thousands of jobs, boost industrial growth, and support sustainable development. JKLC plans to reach a 30 MTPA production capacity by 2030, reinforcing the Northeast's role as an industrial hub.

Contact: JK Lakshmi Cement (JKLC) Tel: 1800-102-5097

Website:

www.jklakshmicement.com



Star Cement to Invest ₹32 Bn in Assam for Clinker Plant

Star Cement will invest ₹32 billion (bn) to set up a cement clinker and grinding plant in Assam, formalised through an MoU with the state government at the Advantage Assam 2.0 Summit. Chief Minister Himanta Biswa Sarma praised the investment, highlighting Assam's growing industrial potential. The project aligns with the state's vision for economic growth, job creation, and industrialisation. Assam also secured major investments, including ₹15 bn for hydrogen production and ₹5 bn for healthcare.

Contact: Star Cement Website: www.starcement.co.in

Tel: 011-49805200

Email: lumshnong@starcement.co.in



Global Experts Unite in Panama for Sustainable Concrete

The Innovandi Global Cement and Concrete Research Network (GCCRN) is hosting Spring Week 2025 in Panama City from March 17-21, gathering 40+ academic institutions and 30 plus industry leaders to advance sustainable concrete innovations. The event supports research on decarbonising cement, aiming for net-zero concrete by 2050. Industrial and academic leaders will engage with researchers on alternative materials, concrete recycling and renewable energy.

Contact: Innovandi GCCRN Website: www.gccassociation.org

SMART CITIES UPDATE



GHMC Unveils ₹59.42 Bn H-CITI Initiative to Transform Hyderabad

The Greater Hyderabad Municipal Corporation is set to launch the Hyderabad City Innovative and Transformative Infrastructure (H-CITI) programme to enhance India's leading IT hub. This ₹59.42 billion initiative includes major infrastructure projects such as flyovers, underpasses, and roadwidening efforts aimed at improving connectivity and reducing congestion. Based on a traffic study by the Hyderabad Metropolitan Development Authority (HMDA), the scheme will address key bottlenecks with 38



projects across seven packages. Key upgrades include grade separators, road overbridges, and pedestrian-friendly pathways.

Contact: Greater Hyderabad Municipal Corporation (GHMC)

Website: www.ghmc.gov.in



Mangaluru Smart City Implements **Projects Worth** ₹25.73 Bn

The Mangaluru Smart City has undertaken 105 projects under the Smart Cities Mission (SCM), with a total investment of ₹25.73 billion (bn), the Centre informed Rajya Sabha. Responding to BJP MP Narayana Koragappa, Minister of State for Housing and Urban Affairs Tokhan Sahu stated that, as of March 4, 2025, 93 projects worth ₹24.25 bn have been completed. So far, Mangaluru Smart City has received ₹4.53 bn in central financial assistance. The projects aim to enhance urban infrastructure, improve sustainability, and elevate livability standards.

Contact: Mangaluru Smart City Tel: +91-0824 298 6321 Email: smartcitymangaluru@gmail.com

www.mangalurusmartcity.net



Agartala Smart **City Secures** ₹1.16 Bn for Waste Management

Agartala Smart City has secured a ₹1.16 billion agreement under CITIIS 2.0 to enhance Integrated Solid Waste Management. At the Asia-Pacific RRR Regional Conference in Jaipur, the initiative aims to transform Agartala into one of India's cleanest cities. Selected among 18 cities after rigorous evaluation by the EU and India, the project will be implemented over two years. Additionally, a tripartite agreement between Urban Development Directorate, NIUA, and MoHUA has secured a ₹50 million grant for climateresilient planning and an Urban Climate Observatory, marking a milestone in Tripura's urban development.

Contact: Agartala Smart City Email:

agartalasmartcityltd@gmail.com Website:

www.agartalasmartcity.tripura.gov.in



PSP Projects Secures ₹17.64 Bn Contracts in **Ahmedabad**

PSP Projects has secured ₹17.64 billion (bn) worth of infrastructure and construction contracts in Ahmedabad. bringing its total order inflow for FY25 to ₹34.78 bn. Major projects include the ₹6.47 bn City Side Development of Ahmedabad Airport, ₹4.11 bn Adani Medicity & Research Center, and multiple residential and institutional developments at Shantigram and Asarva Civil Hospital. The company has also won an ₹1.20 bn street development project and several smaller contracts.

Contact: PSP Projects Tel: +91-079-2693 6200 Email: info@pspprojects.com. Website: www.pspprojects.com



Report Warns of Major Cybersecurity Threats in **Smart Cities**

A CERT-In report on 20 Indian smart cities has exposed major cybersecurity risks, including malware infections, botnet attacks, and weak network security. The study found trojans and botnets as key threats, with remote access vulnerabilities being the most common issue. Western, central, and northern cities faced trojans like Avalanche-Andromeda, while southern cities saw botnet infections. Misconfigured Simple Network Management Protocol (SNMP) settings also posed risks.

Contact: CERT-In

Website: www.cert-in.org.in

CW

Website:



Hi-Tech Pipes

BUILDING A



ERW PIPES & HOLLOW SECTIONS | GI & GP PIPES | GPGC SHEET & COLOR COATED COIL | CRASH BARRIER

HI-TECH PIPES LIMITED









NOMINATIONS OPEN

FROM 1ST MARCH 2025

For NOTEWORTHY PROJECTS

CATEGORIES

Residential (Independent Homes) | Commercial | Hospitality | Retail | Institutional | Miscellaneous

NOTEWORTHY PROJECTS - INTERIORS

CATEGORIES

Residential | Commercial | Hospitality |
Retail | Institutional | Miscellaneous

For Nominations, log into: www.cwabawards.com/nomination

For Nomination Inquiries: Siraj - +91 8422987407 / +91 97695 77206 Siraj.K@ASAPPinfoGlobal.com



NOMINATE NOW!

GWBIZ



UPCOMING PROJECTS

SL No.	COMPANY	PROJECT DETAILS	BUDGET (IN ₹MILLION)	CONTACTS	ТҮРЕ
		CEM	ENT		
1	Ultratech Cement	As part of its plan to expand its footprint in the construction value chain, Ultratech Cement announced its entry into the wires and cables segment by setting up a plant in Gujarat in the next two years.	18,000.00	Sundeep Nadkarni, Corporate Communications, 1st floor, Mahakali Caves Road, Andheri (East), Mumbai-400093, Maharashtra. T: 022-66928600, sundeep.nadkarni@adityabirla.com, (Kumar Mangalam Birla, Chairman)	Conceptual
2	Dalmia Bharat	Dalmia Bharat will establish a 3.6 MTPA clinker unit and a 3 MTPA grinding unit at its existing Belgaum plant, Karnataka coupled with a new greenfield split grinding unit with a capacity of 3 MTPA in Pune, Maharashtra.	35,200.00	11th & 12th Floor, Hansalaya Building, 15 Barakhamba Road, New Delhi-110001, Delhi. T: 011-23465100, F: 011-23313303, corpcomm@dalmiabharat.com	Conceptual
3	Shree Cement	Shree Cement signed an MoU with the Government of Karnataka, committing to invest in the state over the next five years. The company plans to establish state-of-the-art cement manufacturing facilities, generating significant employment opportunities and contributing to Karnataka's industrial growth and development.	83,500.00	Hemant Garg - Project Procurement Manager, Bangur Nagar, Beawar - 305901, District - Ajmer, Rajasthan. T: 01462-228101-06, payald@ shreecementltd.com, shreebwr@ shreecementltd.com, www. shreecementltd.com, (H M Bangur, Managing Director)	Conceptual
		ELECTRIC	VEHICLE		
4	EaseMyTrip	Rikant Pittie, Chief Executive Officer, EaseMyTrip, has said that the company will invest in the manufacturing of electric buses in Madhya Pradesh. The company plans to deploy 500 buses across the state in 2025 and is also eyeing exponential expansion, targeting 1,000 buses next year.	2,000.0	Building No 223, Patparganj Industrial Area, New Delhi-110092, Delhi. T: 011-43131313, 43030303, Care@easemytrip.com	Conceptual
		INDUSTR	IAL PARK		
5	Kerala Space Park (K-Space)	In a bid to develop a hub of defence- related industries in Thiruvananthapuram, Kerala Space Park (K-Space) authorities have proposed to the state government to set up an Integrated Defence Industrial Park (IDIP) on the outskirts of the city.	10,000.00	1st Floor, Divisional office, Jeevan Prakash, LIC Building, Pattom PO, Trivandrum-695004, Kerala. M: 07306433189/7306433165, info@ kspace.org.in	Conceptual

SL No.	COMPANY	PROJECT DETAILS	BUDGET (IN ₹MILLION)	CONTACTS	ТҮРЕ
		INFRASTR	UCTURE		
6	Government of Bihar	The state cabinet approved expenditure allocations to be utilised for the construction and completion of 82 projects related to roads, energy and other sectors. The allocations also include funds for the development of temple campuses to promote tourism as well as for the beautification and renovation of ponds in major towns and well-known wetlands.	20,000	Shri Sanjeev Kumar, I.A.S., Managing Director, Patna, Bihar. T: 0612- 2675933, 2675935, F: 0612- 2675934, md@idabihar.com	Conceptual
7	Mumbai Metropolitan Region Development Authority (MMRDA)	The MMRDA signed an MoU with Brookfield, a global investment firm, to accelerate infrastructure development in the Mumbai Metropolitan Region (MMR).	10,38,000	Sri Bhagwat Ram-Engineer-in-Chief, 5th Floor, Vishveshwarya Bhawan, Bailey, Bihar. T: 0612-2547761, engineerinchiefrwd@gmail.com	
8	Government of West Bengal, Sundarban Development Board	The state government is planning a project with financial assistance from World Bank that will seek to address issues of erosion hazards and salinity faced by residents of 39 islands in Sunderbans in the preliminary stage. Sunderban area is broadly classified under upper and lower delta	41,000	R. Ranjan-Executive Engineer, Civil Engineering Division-II, Mayukh, Gr. Floor, Salt Lake City, Kolkata-700091, West Bengal. sundarbanaffairs@gmail.com	Conceptual
		IRON AN	ID STEEL		
9	Baldota Group	Karnataka-headquartered Baldota Group announced the setting up of a mega steel plant in Koppal. The integrated steel plant will have a capacity of 10.50 million tonne per annum, while creating 15,000 jobs for locals. The new steel plant will be established under the name Baldota Steel and Power.	5,40,000.00	Baldota Enclave, Abheraj Baldota Road, Hosapete-583203, Karnataka. T: 08394-232002/3/4, F: 08394- 232333, email@mspllimited.com, www.baldota.co.in	Conceptual
10	Steel Authority of India (SAIL)	HD Kumaraswamy, Steel Minister, announced a expansion plan for the Bokaro Steel plant, Jharkhand, which will ramp up the unit's production capacity from 5.25 MTPA to 7.55 MTPA. The infusion of capital and technological advancements will bolster the steel sector and contribute significantly to India's economic growth.	2,00,000.00	R Sehgal, DGM (MM Project), Ramendra Kumar, DGM (PR) & CoC, Rourkela Steel Plant, Rourkela-769011, Odisha. T: 0661-2510042, 2510050, M: 8895501028, rsp.coc@gmail.com, (A.Kumar, CEO)	Conceptual

UPCOMING PROJECTS

SL No.	COMPANY	PROJECT DETAILS	BUDGET (IN ₹MILLION)	CONTACTS	ТҮРЕ						
		OIL AN	D GAS								
11	Adani Total Gas (ATGL) Adani Total Gas (ATGL), the equal joint venture of Adani Group and French energy giant TotalEnergies will invest Rs 160,000 million in the next seven years to expand its network of CNG stations and pipeline network to tap into the country's growing appetite for natural gas.		1,60,000.00	Devendra Amin, Sr VP (Corp Comm), Sambhaav House, Judges Bungalow Road, Bodakdev, Ahmedabad-380015, Gujarat. T: 079-25555157, 25556900, F: 25557155, devendra.amin@adani. com, (Jayant Parimal, CEO, Renewable Energy Business)	Conceptual						
12	Garware Hi-Tech Films (GHFL)	The Board of Directors of Garware Hi-Tech Films (GHFL) has approved the establishment of India's first TPU Extrusion plant at Waluj, Chhatrapati Sambhaji Nagar, Maharashtra, with a capital expenditure funded through internal accruals.	1,180.00	Garware House, 50-A, Swami Nityanand Marg, Vile Parle (East) Mumbai-400057, Maharashtra. T: 022-66988000, E: info@ garwarehitech.com	Conceptual						
	REAL ESTATE										
13	Tata Consultancy Services (TCS)	Tata Consultancy Services (TCS) is setting up a 37-acre campus at the Kinfra electronics manufacturing cluster in Kochi. This new campus is expected to create around 10,000 jobs. TCS will in this project, which aims to focus on electronics R&D and IT or ITeS.	6,900.00	Sanjay Kumar, Cabinet Secretariat Additional Chief Secretary, TCS House, Raveline Street, Fort, Mumbai-400001, Maharashtra. M: 0796703700, contact.us@tcs.com, www.tcs.com	Conceptual						
14	Raymond Realty	Raymond's real estate subsidiary has entered into an agreement to jointly develop a residential project on a 2-acre land parcel in central Mumbai's Mahim locality through a revenue-share model. The project to be undertaken through its step-down subsidiary, Ten X Realty West, holds a substantial gross development value (GDV)	18,000.00	Abhijit Deokar - Lead - Project Manager, Tower B&C, C, 2, Pokharan Rd Number 1, near Singhania School Road, J K Gram, Thane West, Thane-400601, Maharashtra, Maharashtra	Conceptual						
15	Lennox India	Lennox announced a \$6 million investment to expand its Global Capability Centre (GCC) in Chennai. The facility will now span 150,000 sq ft, giving it the capacity to increase its workforce from 900 to 1,500 employees.	500.00	Unit No. 1-5,10th floor, Zenith Building, Phase III, International Tech Park Chennai (Ascendas), CSIR Road, Tharamani, Chennai-600113, Tamil Nadu	Conceptual						

For more on projects, tenders and contracts, subscribe to PROJECT REPORTER at www.ProjectReporter.co.in



Information Management of Projects Awarded Conceptual Contracts & Tenders

AI - Powered Business Intelligence



Ready to transform your project & business development process?

Join the ranks of leading companies who trust IMPACCT for their infrastructure projects. **Sign up** for a demo or consultation today and see the difference our data insights can make.



Schedule a demo

Website:

For a comprehensive look at our data management tool, visit us at **impacet.info**

Email:

For inquiries and personalised assistance, reach out to us at **contact@impacct.Info**We're here to help!

Contact Information:

For more details and support call us at +91 98197 27763

Communication Feature

The AAC Revolution: Reshaping India's Cities

Magicrete's AAC wall panels offer speed, sustainability, and cost efficiency.

India's booming construction sector faces the challenge of balancing rapid development with sustainability. Traditional materials like red bricks and concrete blocks often cause project delays, higher costs, and inefficiencies in meeting modern energy standards.

Magicrete, a leader in **Autoclaved Aerated Concrete** (AAC) solutions, is transforming construction with its innovative AAC Wall Panels. These lightweight yet durable panels enhance speed, safety, and energy efficiency while reducing structural load and improving thermal insulation. Ideal for data centres, high-rises, industrial facilities, and warehouses, they align with India's growing infrastructure needs.

With urban populations projected to surge by 2050, the demand for efficient and sustainable building solutions is unprecedented. The booming data centre industry, with its massive investment potential, further underscores the need for high-performance building materials. Traditional materials struggle to meet the escalating requirements for fire safety, thermal insulation, and energy efficiency.

Magicrete's AAC Wall Panels address these challenges head-on, offering numerous advantages over conventional materials. Developers are increasingly opting for these panels due to their ability to accelerate construction speed by up to 16 times compared to red bricks, resulting in project timeline reductions of 40-60 per cent. Furthermore, their superior thermal insulation properties, with a K-value of 0.16 W/m.K, enable



energy savings of up to 30 per cent, significantly lowering cooling costs in both commercial and residential buildings.

AAC Wall Panels also

reduce project costs by 7 per cent through lower labour expenses, minimal material wastage, and reduced maintenance. With a four-hour fire rating, they comply with national and international safety standards, making them ideal for critical infrastructure projects.

The efficacy of Magicrete AAC Wall Panels is evident in numerous real-world case studies. The DC-04 project for STT Global Data Centres in Pune switched from concrete blocks to AAC panels, meeting tight deadlines while enhancing fire safety. Similarly, DLF and Foxconn Chennai saw faster completion, cost savings, and improved fire resistance.

Government initiatives like the National Building Code (NBC) 2016, Energy Conservation Building Code (ECBC), and Smart Cities Mission actively promote AAC adoption. As India advances towards sustainable urban development, Magicrete AAC Wall Panels are set to play a crucial role, offering speed, cost-efficiency, and environmental benefits while supporting India's Net Zero Carbon goals.

(Communication by the management of Magicrete)





Communication Feature

Smart Cities, Smarter Elevators

Advanced lifts boost urban mobility, efficiency, and sustainability.

Rapid urbanisation has driven Smart City development in India. Over 100 cities have joined the mission, with 91 per cent of 8,075 projects (₹1.47 lakh crore investment) completed as of December 2024.

The construction sector is driving the shift toward a connected, sustainable society, shaping residential, commercial, and public spaces. Metro cities lead in redevelopment, optimising land use and tackling infrastructure challenges. A key aspect of this transformation is vertical transportation, with rising demand for advanced elevators as cities grow upward.

Elevators are no longer known for convenience, but as a modern urban fabric for high-rise buildings. Recent projections estimate that the Indian elevator market is expected to reach approximately US\$ 7.79 billion by 2030.





The integration of new technology and mechanical components are not only for elevator safety but also an enhanced passenger experience. Modern elevators are equipped with sensors and cloud-based monitoring platforms to enable real-time data analysis. These systems can predict maintenance needs and reduce elevator downtime by up to 50 per cent for uninterrupted service in hightraffic environments.

Similarly, the TWIN elevator system can operate two independent cars within a single shaft. It doubles capacity without the need for additional space. This design is especially beneficial in densely populated urban areas where optimising space becomes essential.

The growth of the elevator industry is closely linked to broader economic development goals in India. Increased investments in urban infrastructure coupled with local manufacturing initiatives

under the 'Make in India' campaign have boosted employment, innovation, and sustainability in the sector.

Modern elevators can contribute to sustainable urban development - alongside innovation for the more functional (e.g., superior user experience) and visual (e.g., sleek design) aspects of vertical mobility, in contemporary cities. For example, the introduction of regenerative drives and LED lighting has reduced energy consumption and cut costs already.

As India continues to build smarter, more connected cities, the role of advanced elevator systems will become highly prominent. Investments in cutting-edge technology, combined with a commitment to sustainable practices are necessary to help the overall equality of urban living and to support efficient mobility within buildings.

(Communication by the management of TK Elevators)



Communication Feature

SRMB Welcomes Rohit Sharma to Its Champion League

SRMB strengthens its legacy with Rohit Sharma joining Kapil Dev and MS Dhoni as brand ambassadors, reinforcing its commitment to quality and durability in construction.



SRMB Directors Ashish Beriwala and Nikuni Beriwala with three Champion Brand Ambassadors Kapil Dev, MS Dhoni and Rohit Sharma.



Navin Bhuwalka, Executive Director. SRMB with MS Dhoni.

SRMB has announced Indian cricket team captain Rohit Sharma as its newest Champion brand ambassador. He joins an elite league alongside World Cupwinning captains Kapil Dev and MS Dhoni, further reinforcing SRMB's legacy in the construction sector. With a history spanning over seven decades, SRMB continues to lead India's infrastructure revolution.

Expressing his enthusiasm for the campaign, Ashish Beriwala, Director, SRMB, said, "Today, SRMB has a suite of products being consumed in construction industries with TMT Bars or window sections represented by RealEdge. We have been lucky, the brand started with legendary Kapil Dev, ably supported by MS Dhoni eight years back, and it has grown since then. Now, we are blessed and lucky to have Rohit Sharma to complete the trio of

choice of the champions. The experience was wonderful, the chemistry of the brand ambassadors, the mutual respect and admiration were there to see. We are excited about the campaign coming forward."

SRMB's strength lies in its Wingrip Technology, ensuring better cement bonding for more durable structures. Nikuni Beriwala, Director, SRMB, emphasized, "At SRMB, we prioritise high-quality materials and cutting-edge manufacturing technology. Our state-of-the-art facilities ensure that every TMT bar meets the highest industry standards, offering superior strength and durability. We invest in the best way to build a product that will stand the test of time."

SRMB 550D TMT bars. manufactured using Tempcore Technology, undergo a thermomechanical treatment that

enhances flexibility, earthquake resistance, and cement bonding, making them ideal for critical infrastructure projects.

Highlighting SRMB's core strength, Navin Bhuwalka, Executive Director, SRMB, said, "Our real champions are our Institutional Project Partners, Their trust has made SRMB the preferred brand in the construction industry. We are committed to delivering products that match their dedication and help them build a better tomorrow."

The newly launched SRMB 'Audition' TVC humorously portrays the brand's search for a champion, marking Rohit Sharma's debut. It reaffirms that, just like great cricketers, great constructions require unwavering strength and a solid grip.

(Communication by the management of SRMB)





8 9 10 October 2025Bombay Exhibition Centre, Mumbai

India's Only Concrete Show





THE EVENT IS ESTIMATED TO ATTRACT





400+ Brands



150+
Domain Experts

KEY ATTRACTIONS



Product Showcase



Multiple Knowledge Forums



Global Innovation Theatre



Live Demos



German Pavilion



B2B & B2G Meetings



CEO/CTO Conclave



Finance Leadership Conclave



Networking Evening



Industry
Awards
... and many more.

PRODUCT SEGMENTS



Concrete, Cement, & Dry Mortar



Construction Equipments & Batching Plants



Construction Chemicals



Precast Technologies & Formwork



Commercial Flooring



Scaffolding & Construction Safety Solutions



AI Solutions



TMT Bars



& Management Software

... and many more.

FOR BOOTH BOOKING, CONTACT

Saiprasad Terde

M: +91 99200 50415 | E: saiprasad.terde@informa.com

Vinavkumar Nail

M: +91 81475 59749 | E: vinaykumar.naik@informa.com

BUILDING MATERIAL PRICES

CEMENT

(Unit: 1 metric tonne; price in ₹)

	Mumbai	Delhi	Chennai	Pune	Hyderabad	Bengaluru	Ahmedabad	Kolkata
ACC								
Grade 43	9,231	8,133	10.744	11,646	8.389	12.805	11.685	9.192
Grade 53	10,414	10,191	11,126	8,829	11,424	10,392	13,120	10,856
PPC	9,039	12,150	12,044	9,716	10,896	8,812	8,041	11,455
Ambuja								
Grade 43	10,292	12,316	8,756	9,252	6,970	11,128	7,882	7,366
Grade 53	9,601	9,051	10,454	8,391	10,360	9,237	9,717	9,097
PPC	10,657	8,684	10,712	8,272	12,148	12,809	7,971	11,315
Ultratech								
Grade 43	10,999	14,018	8,420	9,999	9,091	11,348	9,875	8,400
Grade 53	8,385	7,732	8,275	10,178	8,716	13,186	8,699	9,566
PPC	10,046	10,643	9,511	7,860	7,307	11,494	11,292	9,505
110	10,040	10,040	7,511	7,000	7,007	11,777	11,272	7,505
Birla Super								
Grade 53	11,072	10,083	10,413	12,147	10,911	14,482	9,592	8,975
White Cemen	•							
Birla	37,173	31,102	30,085	35,342	23,365	34,184	25,970	33,264
JK	39,208	26,093	39,646	31,050	28,158	30,517	32,337	25,141
Coromandel (Cement							
Grade 43	9,675	NA	9,571	10,918	7,825	11,954	10,892	11,416
Grade 53	7,544	NA	9,643	8,771	11,147	9,839	9,443	7,777
PPC	11,315	NA	10,336	11,618	9,224	10,073	7,798	7,698
Vasavadatta	Cement							
Grade 43	11,994	NA	10,440	8,607	7,537	NA	10,694	7,250
Grade 53	9,412	NA	9,392	8,865	7,623	9,969	NA	9,619
PPC	10,892	NA	9,578	9,465	8,177	11,715	NA	NA

GST 28 per cent included for all cities.

Mumbai: Tejas J Vora, Recons Group of Companies. Tel: 022-6169 1000, 2617 3045. Mobile: (0) 98336 73045. Shekhar, Neelesh Industrial Agency. Tel: 022-2408 2121.

Mobile: (0) 93247 16192. Kirti Shah, Paras Sales Corporation. Mobile: (0) 92241 87800. Delhi: Girish Agarwal, Mahabir Building Material Store. Tel: 011-2664 2348.

Mobile: (0) 98100 62315. Chennai: C Vijay, Chendur Murugan Cements. Mobile: (0) 96001 67888. Pune: Ravindra, Kamal Distributors. Mobile: (0) 98224 28574.

Hyderabad: Ramesh, Sai Ram Steel Traders. Mobile: (0) 93934 57676, 93927 47575. Bengaluru: A Vinod, Sri Kodikrupa Enterprises. Mobile: (0) 97311 16894.

Ahmedabad: PD Agrawal, Agrawal Traders. Tel: 079-2585 1616. Kolkata: Pintu Roy, Arun Distributors. Tel: 033-2557 8632. Mobile: (0) 98309 97677, 98309 97672.

PAINTS: ENAMEL-WHITE

(4 litre: Price in ₹)

	Mumbai	Delhi	Chennai	Pune	Hyderabad	Bengaluru	Ahmedabad	Kolkata
Asian Paints	1,696	1,604	1,214	1,431	1,804	1,910	1,239	1,544
Kansai Nerolac	1,418	1,562	1,632	1,602	1,449	1,507	1,241	1,365
Berger	1,538	1,729	1,605	1,514	1,570	1,815	1,827	1,487
Shalimar	1,512	1,405	1,670	1,802	1,622	2,278	1,562	1,187
ICI	1,688	1,550	1,414	1,455	2,001	2,345	1,330	1,514

18 per cent GST extra for all cities.

Mumbai: Pragnesh Kapasi, Poojan Colour Point. Mobile: (0) 78755 18999. Delhi: KL Wasan, Wasan Enterprises. Mobile: (0) 98105 81561, 98716 66577. Chennai: Umesh Dave, Tamilnad Traders. Mobile: (0) 72000 97550. Pune: Tejas Vora, Shahabad Cement Depot. Tel: 020-2588 5700. Mobile: (0) 99608 00820. Hyderabad: Mukesh Chaudhary, Tirupathi Hardware. Mobile: (0) 99633 47374. Bengaluru: GV Balakrishna, Balaji Paints and Hardware. Mobile: (0) 94487 55711. Ahmedabad: Shanti Prajapati, Swastik Traders. Tel: 079-2646 4766. Kolkata: Saif Alam, Hindusthan Paints. Tel: 033-4060 5635, 36. Mobile: (0) 80480 05598.

CLEAR GLASS

(Unit: 1 sq ft; Price in ₹)

	Mumbai	Delhi	Chennai	Pune	Hyderabad	Bengaluru	Ahmedabad	Kolkata
4 mm	76	49	64	64	50	58	64	66
5 mm	72	45	55	1112	61	64	59	74
6 mm	89	57	55	82	53	81	67	87

GST 18 per cent included for all cities.

Mumbai: Shabbir, Galaxy Glass Dealers. Tel: 022-2568 4351. Mobile: (0) 98207 69157. Delhi: Ajay Dhamija, Ajay Glass. Mobile: (0) 98102 65787. Chennai: Mohammed Inaamullah, Metro Glass Corporation. Mobile: (0) 98400 30316. Pune: Nomani Kachwala, Poona Glass Depot. Tel: 020-2445 9238. Mobile: (0) 99602 50786. Hyderabad: Firoz Hussain, Safe Glass Store. Tel: 040-6515 2786. Mobile: (0) 90006 52786. Bengaluru: AV Stayanarayan, Sri Venkateshwara Glass and Plywoods. Mobile: (0) 93437 05809. Ahmedabad: Anil Maken, Rajkamal Corporation. Tel: 079-2220 4090. Mobile: (0) 93761 12220. Kolkata: Pradeep Khetan, RP Glass Traders. Mobile: (0) 93304 60999.

WOOD (Unit: 1 cu ft; Price in ₹)

	Mumbai	Delhi	Chennai	Pune	Hyderabad	Bengaluru	Ahmedabad	Kolkata
Sal Wood	1,006	2,517	2,364	817-2,666	671	1,669	581-1,516	538
Silver Wood	931	1,846	653	716	1,647	457-1,252	402	1,257
Sagwan Wood	1,744	1,771-4,493	2,813	1,933	952-4	2,751	1,397	2,816
Pine Wood	1,035	642	1,289	510	758	799	NA	616-1,231

PLYWOOD (Unit: 1 sq ft; Price in ₹)

	Mumbai	Delhi	Chennai	Pune	Hyderabad	Bengaluru	Ahmedabad	Kolkata
Commercial								
4 mm	40	62	34	50	48	57	44	41
6 mm	46	60	46	65	56	61	49	54
12 mm	52	67	65	64	62	60	80	65
18 mm	68	121	91	79	74	91	86	66
Waterproof								
4 mm	41	42	58	56	56	54	69	62
6 mm	57	55	71	63	84	68	73	66
12 mm	75	73	118	82	65	101	113	80
18 mm	94	84	130	89	118	96	106	105

MDF (Unit: 1 sa ft; Price in ₹)

,	Mumbai	Delhi	Chennai	Pune	Hyderabad	Bengaluru	Ahmedabad	Kolkata
6 mm	51	28	32	48	42	44	59	57
9 mm	41	30	38	42	59	50	77	69
12 mm	48	44	40	58	66	61	92	81
18 mm	58	55	61	63	62	71	95	90

GST 18 per cent included for all cities.

Mumbai: Lucky Ply & Laminates. Tel: 022-6113 0000, 2871 2556. Mobile: (0) 74981 88777. E-mail: umesh@timexply.com. Bharat Kothari, Kunal Timber. (Wood, Plywood, MDF). Tel: 022-2836 5879. Mobile: (0) 98696 20982. Delhi: Gangan Mohan, Ashu Plywood. Moblile: (0) 98117 16949. Chennai: Deva Kumar, BIS Building Interior Solutions. Mobile: (0) 90430 72221. Pune: Praful Chaudhary, Kailash Shah, Mayur Plylam. Tel: 020-2638 6678. (Wood, Plywood, MDF). Harshid Jain, Shree Vinayak Plywood & Hardware. Mobile: (0) 98237 48729. Hyderabad: Ali Mohammed, New Fame Timber Traders. Tel: 040-3951 7454. Mobile: (0) 98480 43123, 98853 78122, 90000 10700. Bengaluru: Poonam Kumar, Laxmi Home Studio. Tel: 080-3376 3006. Mobile: (0) 97425 55195. (Plywood, MDF). Shahabuddin Ali, Inaam Timber and Steel. Mobile: (0) 98453 40921. (Wood). Ahmedabad: Sumit Bagrecha, Virshakti Plywood. Mobile: (0) 98791 66731, 96620 04353. Kolkata: Ratanlal Khemka, Shree Chaitanya Timbers. Tel: 033-2560 4129. Mobile: (0) 98302 73976.

ELECTRICAL WIRES (Unit: 1 m: Price in ₹)

	Mumbai	Delhi	Chennai	Pune	Hyderabad	Bengaluru	Ahmedabad	Kolkata
1.5 sq mm	30	28	31	30	33	19	20	20
2.5 sq mm	28	42	42	31	50	30	33	35
4 sq mm	49	67	56	39	92	60	46	54

GST 18 per cent included for all cities.

Mumbai: Sushil Electricals & Company, Tel: 022-2208 4491. Delhi: Sanjay Taneja, Taneja Electrical & Lights. (Polycab). Tel: 011-6622 3747, 4644 0016. JS Electricals. Mobile: (0) 98111 56558. (Finolex). Chennai: Askhok Kumar, Sree Tambaram General Stores. Mobile: (0) 97890 50501. Pune: Hitesh Parwani, Parwani Enterprises. Tel: 020-3993 6427, 4276 5947. Mobile: (0) 98904 76754. Hyderabad: Ramesh, Ramesh Electrical. Tel: 040-2770 0809, 6638 5400. Mobile: (0) 93488 88088.

Bengaluru: Muni Raj, Amar Electricals. Tel: 080-2225 8173. Ahmedabad: Anil Patel, Darshna Electricals. Mobile: (0) 99980 11000, 99743 18982. (Finolex).

Kolkata: Anand Singh, Sinha Electric Stores. Tel: 033-2235 4821. Mobile: (0) 90070 30333, 98302 70590.

STONES and TILES (Unit: 1 sq ft; Price in ₹)

	Mumbai	Delhi	Chennai	Pune	Hyderabad	Bengaluru	Ahmedabad	Kolkata
Granite	206-2,565	116-397	106-340	85-10,373	94-289	76-488	154-458	78-925
Marble	121-344	101-310	110-418	103-532	74-287	62-550	83-388	96-5,148
Makrana	947-1,494	254-1,638	209-901	120-1,739	101-1,265	70-533	79-807	148-1,780
Kota	64-95	68-90	57-97	60-95	73-89	81-108	62-84	46-87
Cuddappa	55-77	69-98	55-78	45-62	42-52	50-75	49-83	54-85

Mumbai: Sushil Vohra, Vikas Marble & Granite. Tel: 022-2846 4150. Mobile: (0)98923 43332. Delhi: Alok Hasija, Meera Marbles. Mobile: (0) 98111 11569, 92120 43662. Chennai: Sunil Agarwal, Sunshine Marbles & Granites. Mobile: (0)91766 14499. Pune: Santosh Ganeshkar, Mohan Stone Depot. Tel: 020-2612 8805. Mobile: (0) 98605 03142, 98220 24803. Hyderabad: Mohammad Abdul Muqeet, Super Stones & Marbles. Mobile: (0) 99662 83516, 98855 13354. Bengaluru: Mohammad Ali, Avon Granite and Marble Company. Mobile (0) 98805 92017. Ahmedabada: Rakhi T Neema, Rudra Ceramic and Stone. Tel: 079-3049 5171. Mobile: (0) 78785 01212. Kolkata: SK Singh, Durga Marble and Tiles Co. Tel: 033-2552 1425. Mobile: (0) 94333 56962.

BUILDING MATERIAL PRICES

CTE					
STE	CL.	(Unit: 1	l mt:	Price	in ₹

	Material	Mumbai*	Delhi*	Chennai*	Pune	Hyderabad*	Bengaluru*	Ahmedabad
Reinforceme	nt							
MS	6 mm dia	1,06,204	72,117	60,732	74,599	60,899	93,647	50,919
TMT	8 mm dia	64,092	45,090	55,529	62,695	63,766	1,00,717	76,908
↑	10 mm dia	86,524	46,241	51,504	76,006	61,183	86,633	53,601
TMT	12 mm dia	68,968	60,256	59,291	1,00,168	51,357	77,200	53,473
TMT	16 mm dia	80,096	65,059	49,979	63,200	59,568	85,036	74,241
TMT	20 mm dia	77,689	59,910	70,167	59,513	68,662	87,455	51,582
TMT	25 mm dia	51,874	63,921	46,587	58,476	57,829	98,187	58,145
Angle	50 x 50 x 6	63,617	39,941	48,866	74,467	58,310	68,884	61,579
	150 x 150 x 12	92,820	51,156	61,425	84,921	68,018	98,323	52,501
Channel	75 x 40	67,470	49,282	50,984	81,826	59,733	81,173	45,546
	100 x 50	79,492	80,577	47,002	64,881	63,998	84,474	71,695
	125 x 65	69,022	70,901	44,406	66,842	64,491	86,479	61,710
	150 x 75	66,424	57,480	64,873	89,835	45,409	70,309	70,014
	200 x 75	1,15,071	49,702	43,418	82,980	67,191	83,336	44,897
	300 x 90	96,543	47,988	58,071	63,164	45,067	84,713	48,183
	400 x 100	1,28,550	45,667	54,549	86,326	63,985	67,524	65,264
Beams	125 x 70	64,577	43,226	56,178	61,855	40,981	70,158	80,829
	150 x 75	66,025	45,056	57,202	77,655	67,379	65,830	90,599
	200 x 100	64,022	57,105	50,991	71,127	44,935	68,132	46,434
	250 x 125	90,934	43,854	66,081	81,308	55,196	83,446	65,014
	300 x 140	89,763	53,540	60,919	1,06,369	58,612	88,480	69,427
	400 x 140	77,356	45,833	44,117	62,935	57,163	96,635	71,927
	450 x 150	94,319	52,567	63,865	63,701	45,671	60,627	95,303
	500 x 180	1,00,059	46,732	47,762	77,357	57,316	1,08,816	70,778
	600 x 210	83,875	42,599	61,503	NA	68,664	73,954	53,508
Plates	5-12 mm	73,183	32,742	48,726	77,854	NA	85,138	41,843
	12-20 mm	72,606	58,606	41,332	75,945	NA	84,066	65,724
	21-40 mm	75,866	56,667	64,769	1,08,467	NA	64,465	50,151
		'	1				-	

GST 18 per cent extra applicable for all cities.

Mumbai: Sunil Nagori, Viswanathan Iyer, Sansui Steels. Tel: 022-2867 3673. Mobile: (0) 98211 13673, (0) 98211 10010. Pune: Ashish Kasat, Manish Industrial Corporation. Tel: 020-2566 8682, 2612 4182. Mobile: (0) 94220 15212. Chennai: Kunal Maheshwari, Kapil Metal Processing Agencies. Tel: 044-2522 5443. Mobile: (0) 95000 95902. (Ravi Sanker). Hyderabad: Sushil Kumar, Sanjay Agarwal, Tulja Bhavani Ispat. Mobile: (0) 92477 85403, 98480 14420. Bengaluru: Umang Agarwal, Kaushalesh Steels. Mobile: (0) 98450 22217. Ahmedabad: Ankit Mehta, Shree Mallinath Steel Traders. Tel: 079-6524 7800. Mobile: (0) 99254 60170.

I CW I

^{*}Figures are approximate and subject to change



The 17th edition explores the imperative need for specialised training and development in an industry increasingly defined by technological complexity and innovation.

Focus Areas:

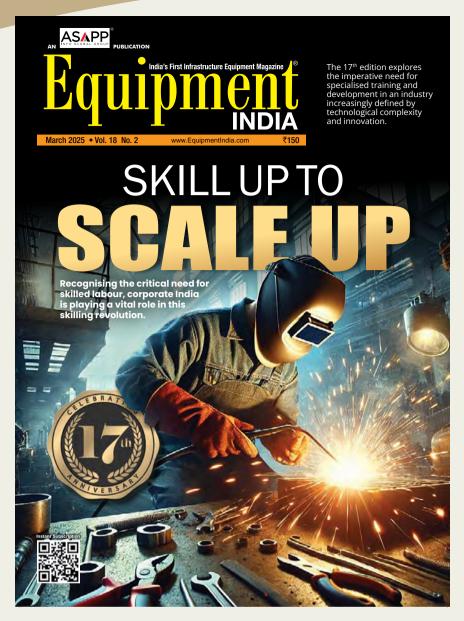
- Innovations in training for cutting-edge equipment
- Skill sets for automation, telematics, and advanced tech
- Certification and upskilling for safety and efficiency

Expert Insights:

- Roadmaps for next-gen training
- Strategies for automation-ready professionals
- Case studies of workforce success

Industry Analysis:

- Market trends shaping skills demand
- Training's impact on performance and safety
- Breaking barriers in workforce development



Issue Released

Book Your Copy Now!

+91-81086 03000 Subscriber@ASAPPinfoGlobal.com



SUBSCRIBE NOW

CONTRACTS AWARDED

BAGGED IT!



Bharat Heavy Electricals (BHEL)

Contract value: ₹67,000 million

Particulars: Coal

BHEL has secured an order from Singareni Collieries Company (SCCL) to set up an 800 MW Adilabad supercritical thermal power project in Mancherial district.

Solar Group

Contract value: ₹60,000 million

Particulars: Defence

Nagpur-based Solar Group bagged a ₹60,000 million order to supply Pinaka rockets to the armed forces in a first-ever deal to the private sector for the latest artillery weapon system.

NBCC (India)

Contract value: ₹749.4 million

Particulars: Housing

The Ministry of Housing and Urban Affairs has awarded NBCC (India) with a contract for undertakina maintenance works of New Moti Bagh GPRA Complex (NMB Complex) for a period of two years.

J Kumar Infraprojects

Contract value: ₹1,659 million

Particulars: Metro

J Kumar—CRTG JV secured package CA-266 from MMRDA. The awarded contractor will be responsible for the architectural finishing activities for 5 elevated stations.

Engineers India (EIL)

Contract value: ₹2,220 million

Particulars: Oil and Gas Engineers India (EIL) has bagged a contract from Hindustan Petroleum Corporation (HPCL). The contract involves project management consultancy services for the lube

modernisation.

Afcons Infrastructure

Contract value: ₹12,830 million

Particulars: Port

Shapoorji Pallonji Group firm Afcons Infrastructure has secured a major project with the receipt of a letter of award (LOA) from Hindustan Gateway Container Terminal Kandla.

Amara Raja Infra (ARIPL)

Contract value: ₹5,440 million

Particulars: Railway

Amara Raja Infra (ARIPL) has won Solar Energy Corporation of India's auction to supply balance of systems (BoS) for a 300 MW grid-connected solar power.

Welspun Enterprises

Contract value: ₹2,908 million

Particulars: Water

Welspun Enterprises secured a work order from the Brihanmumbai Municipal Corporation (BMC). The contract, involves O&M for the stormwater pumping station at Mogra.

JBM Ecolife Mobility

Contract value: ₹55,000 million Particulars: Electric Vehicle JBM Ecolife Mobility, a JBM Auto subsidiary, was awarded the tender for the end-to-end execution of 1,021 electric buses and the development of allied electric and civil Infrastructure.

| CW |

TENDERS

Z %	ORGANISATION	LOCATION	TENDER VALUE (₹)	EMD/ DOCUMENT COST (₹)	DOCUMENT SALE DATE	SUBMISSION/ OPENING DATE
			RAILWAY			
-	Singareni Collieries Company Ltd	Yellandu Telangana	3646912	36470 / NA	05/05/2025	05/05/2025 / 05/05/2025
Details Cailwa Celland	Details: Tenders are invited for Maintenance of strut pit railway siding served by Singareni Railway station (Yellandu) on DKJ KRP Singareni BDCR MNGR section for two years period/ Yellandu Area, BK Dist, TG at Yellandu,Telangana	strut pit railway siding served by Singareni i BDCR MNGR section for two years period na	erved by Singareni or two years period,	Contact: General Manager MP, Kotho Bhadradri Kothagudem Dt, Telangana	General Manager MP, Kothagudem 507101, i Kothagudem Dt, Telangana	sm 507101,
2	Mumbai Metropolitan Region Development Authority	Thane Maharashtra	₹ Z	987000 / 100500	23/04/2025	23/04/2025 / 23/04/2025
Detail: ailwo	Details: Tenders are invited for Construction o Railway line under Extd MUIP	of Shahad railway over bridge on Central	r bridge on Central	Contact: Supreintendi Complex, Bandra (E), 26594000, F: 022-26 maharashtra.gov.in	Complex, Supreintending Engineer, Plot C-14 & 15, Bandra Kurla Complex, Bandra (E), Mumbai-400051, Maharashtra. T. 022-26594000, F. 022-26594182, metro.piu@mailmmrda.	& 15, Bandra Kurla arashtra. T: 022- nailmmrda.
		ROA	ROADS AND HIGHWAYS	YS		
က	Border Road Organisation	Multiple Arunachal Pradesh	2738800000	27388000 / 35400	16/04/2025	16/04/2025 / 17/04/2025
Detail: petwe ength 761 Bl	Details: Tenders are invited for Construction, improvement of Along - Yingkiong road between Km 40.00 to Km 65.00 Design Chainage Km 40.000 To 63.740 design length 23.740 Km for construction and upgradation from Cl09 to NHDL Specn under 761 BRTF Project Brahmank in AP on EPC Mode	improvement of Along - Yingkiong road inage Km 40.000 To 63.740 design adation from Cl09 to NHDL Specn under ode	- Yingkiong road 3.740 design IHDL Specn under	Contact: HQ CE Proje	Contact: HQ CE Project Brahmank Pasighat AP	AP
4	Ministry Of Road Transport And Highways	Multiple Odisha	376700000	3767000 / 11800	15/04/2025	15/04/2025 / 23/04/2025
Detail: at Toy Debag	Details: Tenders are invited for Reconstruction of 3 nos. of damaged bridges of NH-at Toyaput Nallah at Ch. 268/780 km and Debagarh river at Ch. 270/260 km on NH-326 in the State of Odisha. (Bid Ref No. CE NH of 2024-25)	of 3 nos. of damaged bridges of NH-326 vadar Nallah at Ch. 268/780 km and 6 in the State of Odisha. (Bid Ref No. 11	bridges of NH-326 8/780 km and a. (Bid Ref No. 11	Contact: Chief Engin Nagar, Bhubaneswar	Contact: Chief Engineer, NHs Odisha Nirmana Saudha, Kesari Nagar, Bhubaneswar-751001, Odisha. cenhorissa@gmail.com	nana Saudha, Kesari horissa@gmail.com
2	National Highways Authority Of India	Takoli Himachal Pradesh	3162300000	31600000 / 30000	17/04/2025	17/04/2025 / 18/04/2025
Detail: o Mar ch 22 ch 23	Details: Tenders are invited for Construction of SP for preventive of landslide in Pandoh to Manali for Jhalogi landslide Km228.040 to km 228.150 Hill Side RC4 Ch226.600 to Ch 227.400 in Pandoh Takoli sec RC5 Ch 228.800 to Ch 229.240 RC6 Ch 230.000 to Ch 230.220 in Takoli on EPC mode in HP	f SP for preventive of landslide in Pandoh km 228.150 Hill Side RC4 Ch226.600 tc .800 to Ch 229.240 RC6 Ch 230.000 to	ndslide in Pandoh RC4 Ch226.600 to C6 Ch 230.000 to	Contact: Mr. Asheesh G-5 & 6, Sector-10, E T: 011-25074100 (Ex	Contact: Mr. Asheesh Kumar Jain, General Manager (T) G-5 & 6, Sector-10, Dwarka, New Delhi-110075, Delhi. T: 011-25074100 (Extn. 1405), akjain@nhai.org	Manager (T) – UKD, 0075, Delhi. ai.org

135 | Construction World | April 2025



EXHIBITIONS, CONFERENCES AND SEMINARS

SL No.	EVENT	DATE	ORGANISER	LOCATION	
APRIL 2025					
1	Bauma, Munich 2025	7-13 April 2025	Messe München	Munich, Germany	
2	Vibrant Buildcon	13-16 April 2025	Morbi Ceramic Association	Delhi	
3	Analytica Anacon India 2025	23-25 April 2025	Messe Muenchen India and the Indian Analytical Instruments Association (IAIA)	Mumbai	
4	Roof India 2025	24-26 April 2025	Hyve India Pvt. Ltd.	Mumbai	
MAY 2025					
5	Delhi Machine Tool Expo	8-11 May 2025	Indian Machine Tool Manufacturers Association (IMTMA)	Delhi	
6	IMTOS	15-18 May 2025	K and D Communication	Delhi	
7	Gartex India	22-24 May 2025	MEX Exhibitions and Messe Frankfurt Trade Fairs India	Mumbai	
8	Project Qatar	26-29 May 2025	IFP Qatar	Doha, Qatar	
9	Index Plus	30 May-1 June 2025	NürnbergMesse Group	Mumbai	
	JUNE 2025				
10	Global Stainless Steel	4-6 June 2025	Virgo Communications And Exhibitions	Mumbai	
11	Construction Technology Summit (CTS)	June 2025	ASAPP Info Global	Mumbai	
		JULY 2025			
12	Fastner India 2025	11-13 July 2025	RX India	Mumbai	
13	International Drone Expo 2025	July 31-Aug 1 2025	Nexgen Exhibitions	New-Delhi	
14	Pack Plus 2025	July 31-Aug 2 2025	RX India	Hyderabad	
AUGUST 2025					
15	Index Plus	1-3 August 2025	NürnbergMesse Group	Delhi	
16	Automation Expo 2025	21-14 August 2025	I. E. D. Communications	Mumbai	
17	Anuga Foodtec India 2025	20-22 August 2025	Koelnmesse	Mumbai	
18	Gartex India	21-23 August 2025	MEX Exhibitions and Messe Frankfurt Trade Fairs India	New-Delhi	

| CW |











9 - 10 - 11 OCTOBER 2025

Helipad Exhibition Centre, Gandhinagar, Gujarat, India

CONSTRUCT • CONNECT • COLLABORATE

Trade Fair for Construction Machinery & Vehicles, Building Material Machines, & Mining Machines

ORGANIZED BY



CO-ORGANIZED BY



JOINT ORGANIZER



STALL BOOKINGS

K AND D COMMUNICATION LTD. Sanket Mistry

+91 95742 49884 sanket@kdclglobal.com

MESSE MUENCHEN INDIA PVT. LTD. Violet Rodrigues

+91 22 6787 9804 , +91 98214 28030 violet.rodrigues@mm-india.in

PROPERTY RATES

MUMBAI

RESIDENTIAL AND COMMERCIAL

South Mumbai	Residential *₹/sq ft	Commercial *₹/sq ft
Churchgate	45,389–49,370	33,843–37,753
Cuffe Parade	60,950–72,840	23,573–27,803
Colaba	38,738–46,339	23,306–27,507
Dadar	43,588–49,550	32,483–42,285
Prabhadevi	37,604–47,022	29,690–39,755
Nariman Point	51,716–80,557	26,020–27,949
Napean Sea Road	49,397–67,703	42,158–63,559

Napean Sea Road	49,397–67,703	42,158–63,559
Western Suburbs	Residential *₹/sq ft	Commercial *₹/sq ft
Andheri (E/W)	34,457–49,141	16,772–23,180
Andheri (East)	17,300–22,810	13,508–15,970
Bandra (E/W)	29,567–38,425	27,348–39,097
Borivali (E/W)	12,288–15,516	9,831–11,449
Kandivali (E/W)	20,212–27,181	15,266–21,119
Khar (E/W)	45,053–51,829	25,707–34,753
Mahim (E/W)	27,415–37,661	21,371–31,662
Malad	16,543–22,991	12,945–14,992

15,737-21,901

31,457–36,867

Central Suburbs	Residential *₹/sq ft	Commercial *₹/sq ft
Chembur	22,832–31,792	27,726–39,142
Ghatkopar (West)	17,239–19,138	23,401–27,308
Kurla	15,788–21,007	12,146–18,101
Sion (West)	21,615–28,641	15,939–23,666
Wadala	21,286–24,310	28,644–32,120

Navi Mumbai	Residential *₹/sq ft	Commercial *₹/sq ft
Airoli	6,746–7,944	3,434–5,275
CBD Belapur	10,061–12,561	4,151–8,298
Kharghar	8,055–10,905	5,364–6,617
Nerul	22,620–27,280	7,282–10,623
Panvel	7,969–9,991	5,099–10,120
Vashi	30,414–39,131	8,041–12,155
Kamothe	5,534–5,779	7,541–14,899
Kalamboli	5,881–7,722	3,297–5,597
Sanpada	12,534–17,413	12,257–19,568
Juinagar	10,187–12,584	8,259–16,323
Koperkhairane	9.844-11.636	7.037-8.763

Contact: Bhavin Kanabar, Space Realtors (India), Mumbai. Tel: 022-4299 9999. Mobile: (0) 99677 80009. Website: www.spacerealtors.in Neeraj Agarwal, Sunny Real Estate Consultants, Navi Mumbai. Mobile: (0) 97027 33333. Website: www.sunnyconsultants.com

11,460-14,312

22,354-30,137

^{*} The rates are subject to change based on the market fluctuations.







Goregaon (E/W)

Vile Parle (E/W)

CHENNAI

Chennai	Residential *₹/sq ft	Commercial *₹/sq ft
Alwarpet	16,637–26,766	18,027–21,799
Anna Nagar	9,236–14,561	7,741–10,865
Ashok Nagar	7,764–13,382	12,848–13,845
Besant Nagar	10,779–17,027	13,097–17,065
Egmore	13,986–19,273	21,912–23,977
Kilpauk	10,167–17,331	14,736–19,506
Guindy	17,954–25,869	15,242–18,394
Kodambakkam	16,214–22,610	18,440–25,712
Lloyds Road	18,904–21,686	20,401–23,306
Mylapore	15,125–26,738	24,134–28,386
Mogappair	4,616–7,228	9,651–15,223
Perungudi	7,322–9,954	8,066–10,018
Nungambakkam	14,716–18,893	22,262–26,319
Anna Salai	22,489–24,189	20,480-22,477
Thanikachalam Nagar	16,019–20,395	15,625–19,893
Tambaram	5,184-6,637	6,195–9,143
Thiruvanmiyur	13,008–16,740	9,712–12,932
Velachery	11,590–14,926	12,593–16,818

Contact: Prabhu B, Atlas Estates. Tel: 044-4861 6554. Mobile: (0) 99419 45554. Website: www.atlasestates.in

DELHI

Delhi	Residential *₹/sq yard	Commercial *₹/sq ft
Connaught Place	41,736–50,264	21,564–52,417
Chanakyapuri	19,308–27,417	40,185–75,180
Defence Colony	22,144-29,531	41,072–69,848
Dwarka	5,576–24,438	6,784–22,580
Greater Kailash	15,067–19,907	32,186–55,366
Hauz Khas	23,082–33,540	21,263–36,918
Janpath	31,538–50,520	26,427–46,099
Kalkaji	8,274–10,486	13,958–19,573
Karol Bagh	17,301–21,286	17,029–43,449
Rajendra Nagar	2,592-2,933	10,739–22,131
Saket	12,895–16,099	32,192–60,588
Vasant Vihar	15,616–19,948	17,249–32,341

NCR	Residential *₹/sq yard	Commercial *₹/sq ft
Lajpat Nagar-Ghaziabad	4,381-6,467	4,985-7,197
New Gurgaon	6,441-7,857	8,794-74,139
Greater Noida West	3,814-4,345	5,383-46,350

Ashwani Singh Virk, Jagson Realtors. Tel: 011-4175 1117. Mobile: (0) 98101 94724.

KOLKATA

Kolkata	Residential *₹/sq ft	Commercial *₹/sq ft
Alipore	14,393-18,679	21,672–23,398
AJC Bose Road	22,562–28,513	18,990–22,258
Ballygunge	12,525–14,687	10,821–13,676
Behala	4,743–5,248	9,678–12,032
Bhawanipore	11,283–12,669	11,826–14,583
Belvedere Road (Alipore)	14,351–21,516	9,236–9,900
Garcha Road	10,750–13,924	6,524–7,942
Kaikhali VIP Road	3,207-4,327	8,418–9,249
Lake Town	4,610–4,926	4,147–5,056
Naktala Road	4,934–6,090	8,320–9,623
New Alipore	7,524–9,709	13,448–16,887
Park Street	17,082–24,419	20,274–28,214
Prince Anwar Shah Rd	13,090–14,226	10,165–14,217
Salt Lake (Sec V)	10,440–12,485	4,104–5,543
New Town (Rajarhat)	7,053–8,502	4,326–6,182
Shakespeare Sarani	11,862–14,603	16,578–20,932
Thakurpukur	4,634–5,151	5,672–6,700
Baguihati	4,359–4,646	7,070–7,949
Sealdah	11,148–12,859	9,338–11,049
Park Circus Connector	9,190–14,275	13,005–17,935
Garia	4,978–6,166	5,707–7,897
Shyambazar	9,907–12,607	14,111–20,448

Contact: Pioneer Property Management, Kolkata. Tel: 033-4002 5555, 4018 5555. Mobile: (0) 98300 56308. Website: www.pioneerproperty.in

* The rates are subject to change based on the market fluctuations.



| CW |

Travel ahead of competition

VIP OFFER IS BACK

30% Discount + Full Value Back Gifts



1 YEAR SUBSCRIPTION

An additional courier fee of ₹ 600 per year is mandatory for all subscriptions

Magazine	You Pay (₹)
Construction World	2400
Equipment India	1800
Indian Cement Review	1800
Indian Textile Journal	1800
Smart Manufacturing & Enterprises (Industrial Products Finder)	1800
Project Reporter (Digital)	3500

Our magazines cater to business leaders like:

Civil Engineers and Architects | Real Estate Developers | Heavy Equipment Manufacturers | Construction Project Managers | Infrastructure Planners | Industrial Engineers and Planners | Cement Industry Leaders | Sustainability Officers | Textile Industry Leaders | Fashion Retailers and Merchandising Executives | Textile Marketing and Branding Specialists and many more...

3 YEARS SUBSCRIPTION WITH 15% DISCOUNT + GIFT

An additional courier fee of ₹ 600 per year is mandatory for all subscriptions

Magazines	Price (₹)	15% Disc	You Pay	Free Gifts	
Construction World	7200	1080	6120	Titan Duffle Trolley MRP ₹3980 + Titan Duffle Bag MRP ₹2150	
Equipment India	5400	810	4590	Titan Duffle Bag MRP ₹2150 + Century Laptop Backpack MRP ₹2,450	
Indian Cement Review	5400	810	4590	Titan Duffle Bag MRP ₹2150 + Century Laptop Backpack MRP ₹2,450	
Industrial Products Finder	5400	810	4590	Titan Duffle Bag MRP ₹2150 + Century Laptop Backpack MRP ₹2,450	
The Indian Textile Journal	5400	810	4590	Titan Duffle Bag MRP ₹2150 + Century Laptop Backpack MRP ₹2,450	
Project Reporter (Digital Copy)	10500	1575	8925	VIP Strolley MRP ₹8500	

5 YEARS SUBSCRIPTION WITH 30% DISCOUNT + GIFT

An additional courier fee of ₹ 600 per year is mandatory for all subscriptions

Magazines	Price (₹)	30% Disc	You Pay	Free Gifts
Construction World	12000	3600	8400	VIP Strolley MRP ₹8500
Equipment India	9000	2700	6300	Titan Duffle Trolley MRP ₹3980 + Titan Duffle Bag MRP ₹2150
Indian Cement Review	9000	2700	6300	Titan Duffle Trolley MRP ₹3980 + Titan Duffle Bag MRP ₹2150
Industrial Products Finder	9000	2700	6300	Titan Duffle Trolley MRP ₹3980 + Titan Duffle Bag MRP ₹2150
The Indian Textile Journal	9000	2700	6300	Titan Duffle Trolley MRP ₹3980 + Titan Duffle Bag MRP ₹2150
Project Reporter (Digital Copy)	17500	5250	12250	VIP Strolley MRP ₹8500 + Titan Duffle Trolley MRP ₹3980

Yes, I wish to subscribe / renew	for \Box 1 \Box 3 or \Box 5Years (Tick to choose)
	for
drawn on	in favour of "ASAPP Info Global Services Pvt Ltd." payable at Mumbai
For online payment log on to www.ASAPPInfoGlobal.c	om
Name	Designation
	Address
	Pin
Tel:(Resi)	(Off)
Mobile:	E-mail:

Terms & Conditions:

- 1. ASAPP Info Global Services Pvt Ltd does not entertain cancellation of subscription after commencement of the same. No request will be entertained.
- 2. Annual subscription rates mentioned above are for delivery in India. Postal deliveries may take upto 7-10 days from the date of dispatch.
- 3. Although it would be our endeavor to ensure timely delivery of your copies, ASAPP Info Global Services Pvt Ltd. is not responsible for postal/courier delays.
- 4. You must mail your transaction details if you are making payment by NEFT / RTGS. In the event of not doing so, delivery of copies may be delayed.
- 5. Don't make subscription payment to any agents / booksellers unless confirmed with us. We can provide a list of authorised agents on request.
- 6. All disputes are subject to the jurisdiction of competent Courts/Forums of Mumbai.
- 7. All subscriptions sold after 1st January 2024, will be delivered only by courier, with a courier / R.P.P. delivery charge of @ Rs. 600/- per annum to the subscription cost.







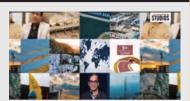
📞 +91-8108603000 🔀 Subscriber@ASAPPinfoGlobal.com 🯥 www.asappinfoglobal.com/publication.php

In case of change of address, please inform us by email: Subscriber@ASAPPinfoGlobal.com with the subject line 'Change of Address'.





Think Videos, Think STUDIOS





Scan here to watch ASAPP Studios' Corporate Film

Your One-Stop Shop For All Things Video



Contact:

Videos@ASAPPInfoGlobal.com

M - +91 8657 758 121

T - +91-22-2419 3000

INDEX TO ADVERTISERS

Company Name /	l Dans	Company Name /	l Book	
Category	Page No.	Category	Page No.	
Alluminium		PEB		
Jindal Aluminium	29	Tata BlueScope Steel	9	
Construction Equipments & Mad	chinery	Precast Solutions		
Action Construction Equipments	45 & 71	E: Silventeel Congrete Det 14d	Back Cover	
Caterpillar	Dummy Cover	Fuji Silvertech Concrete Pvt. Ltd	back Cover	
Metalman Auto	87	Road & Highway Marking		
Propel Industries	47	Kataline Infraproducts	21	
Tacklers Engineering	31	Roofing		
Wirtgen India	49	JSW Steel Coated Products	53	
Commercial Vehicle		Scaffolding & Formworks		
Five Laser Cut	57	Pranav Construction Systems	12	
Construction materials & service	es			
Zhuzoor Infratech	41	Steel & Steel Products		
Construction Software		Electrotherm (India)	69	
RIB Software India	17	Everest Industries	35	
Elevators		Hi Tech Pipes Ltd	117	
TK Elevators	51	JSW Steel	13	
Doors & Windows		MSP Steel & Power	11	
Fenesta Building Systems	27			
Engine Building Machines		Shyam Steel	19	
Van Norman	14	SRMB	39	
FILTERS		Trade Fair & Exhibition		
Mann Hummel	37	Cement Expo	IFC	
Industrial Safety & Material Har	ndling	CTS	107	
Holdwell Components	25	Gujarat Conex	137	
Infrastructure & Construction		Multilogistic	5	
Dineshchandra R Agrawal Infrac	on 7			
Lubricants		RAHSTA	IBC	
ENSO Oils & Lubricants.	23	World of Concrete	129	

TWIT-BITS



@OfficialNBCC

Hon'ble Minister @ HardeepSPuri inaugurated PNGRB's office at #NBCC built World Trade Centre, Nauroji Nagar in the presence of Sh.K.P.Mahadevaswamy, CMD, NBCC, Dr.Suman Kumar, Dir. (Comm.) and other sr.officers on 6.03.2025.





🎇 @RailMinIndia

Jagadalpur-Koraput Doubling Project(106Km) Length commissioned: 86Km

Benefits:

- -Boost Freight Handling Capacity
- -Enhance Rail connectivity b/w Chhattisgarh & Odisha
- -Enhance access to education & healthcare
- -Fillip to local products #RailInfra4Chhattisgarh #RailInfra4Odisha



in Adani Ports and SEZ

Adani Logistics Ltd, in collaboration with the Ahmedabad Division of Indian Railways, has flagged off the First Container Rake connecting the Unjha Export Cluster by rail with Mundra Port. This joint effort also marks the commissioning of India's First E-CRT of Indian Railways at Unjha.



@OfficialDMRC

DMRC Completes another Major Tunnelling Milestone on Phase 4 Golden Line

This tunnel breakthrough was achieved using a mammoth 91 -metre-long TBM. Two parallel circular tunnels for up and down



movement are being constructed on this stretch as part of the Aerocity-Tughlakabad corridor. About 1107 rings have been installed in the tunnel, with an inner diameter of 5.8 meters. These tunnel rings were cast at a fully mechanized casting yard set up at Mundka. The concrete segments were cured with a steam curing system to achieve early strength. As part of the Phase 4 work approved so far, 40.109 kilometres of underground lines are being constructed.



MoCA_Gol

Hon'ble Civil Aviation Minister Shri Ram Mohan Naidu Ji todav inaugurated the UDAN Yatri Cafe at Sardar Vallabhbhai Patel International Airport, Ahmedabad, reinforcing the commitment to making airport facilities more affordable and passenger-friendly. Located at the check-in hall of Terminal 1, the cafe offers quality snacks starting at just ₹20, ensuring accessible and budget-friendly refreshments for travelers. This initiative is part of the broader vision to enhance passenger experience while making air travel more inclusive and convenient. #UDANYatriCafe



in Larsen & Toubro

The Minerals & Metals (M&M) business vertical of L&T secured an order from Hindalco for setting up an 850 KTPA (kilo tonne per annum) greenfield alumina refinery plant in Odisha. The scope of work includes engineering, procurement, construction & installation. M&M earlier secured an order for setting up an 8 MTPA (million tonne per annum) Pellet Plant from a leading steel producer in India. The scope of work includes engineering, manufacturing, supply, construction & installation in collaboration with reputed technology providers.



@MSDESkillIndia

A Green Milestone!

India's solar revolution is soaring high, with over 38,849 candidates trained for Solar Panel Jobs, strengthening the PM Surya Ghar Muft Bijli Yojana, which has already powered 10 lakh homes with rooftop solar panels, reducing electricity bills.

#10LakhsForPMSuryaGhar #GreenJobs #skillindia #MSDE #Skills4All #KushalBharatViksitBharat #MoSkillsAndEntrepreneurship #SANKALP

I CW I





ENERGY BUSINESS HITS NEW MILESTONE

Larsen & Toubro has promoted Subramanian Sarma to Deputy Managing Director & President, effective 2 April 2025, with his term extended until 3 February 2028, pending shareholder approval. Sarma has been instrumental in expanding L&T's hydrocarbon and energy business, driving innovation and global competitiveness. Recently, L&T secured its largest offshore contract to date, further solidifying its position as a global EPC leader. With over 40 years of experience, Sarma continues to lead L&T's strategic growth in the energy sector.

BETTING BIG ON WIRES AND CABLES BIZ

Adani Enterprises, through its subsidiary Kutch Copper (KCL), has formed Praneetha Ecocables (PEL) in partnership with Praneetha Ventures. With KCL holding a 50 per cent stake, the venture will manufacture and market metal products, cables, and wires. The move alians with Adani's infrastructure ambitions, leveraging its upcoming copper refinery for supply chain efficiency. Registered in Ahmedabad, PEL was incorporated on 19 March 2025 with a capital of ₹1 million. Dr. Vinay Prakash is the Managing Director of KCL.





HINDALCO REINVENTS IDENTITY TO DRIVE INNOVATION

Hindalco has unveiled a new brand identity, marking its transformation from a materials supplier to an innovation-driven solutions provider. Satish Pai, Managing Director, Hindalco Industries highlighted that the rebranding reflects Hindalco's evolution into a value-added solutions provider, aligning with global megatrends. He emphasised that this transformation positions the company to meet the changing demands of industries like electric mobility and renewable energy. With a ₹450 billion investment, the company is advancing precision-engineered products. He added that investments in advanced materials, circular economy solutions, and cutting-edge applications will redefine manufacturing. The new brand identity, ENGINEERING BETTER FUTURES, reflects core principles—Sustainability, Circularity, Durability, and Precision Engineering—ensuring long-term impact.

TRUMP GOES COMMERCIAL IN INDIA

The Trump Organisation is making its commercial real estate debut in India with Trump World Center Pune, a ₹17 billion office project by Tribeca Developers in partnership with Kundan Spaces. Led by Tribeca's Founder, Kalpesh Mehta, the 1.6 million sq ft development targets ₹25 billion in sales. Featuring luxury offices, retail, and India's first Trump Club, the project expands Trump's footprint beyond residential ventures.







Supported by









FOCUS ON

- Roads
- Bridges
- Highways
- Tunnels

- 3
- 4

September 2025 | Jio World Convention Centre, Mumbai



66 Maharashtra is leading in infrastructure development, with the highest number of under-construction projects in the country, spanning metro systems, Roads, Highways, Airports and Ports.**

Devendra Fadnavis, Chief Minister of Maharashtra

10000+ VISITORS

200+ EXHIBITORS

50+SPEAKERS



For booking exhibition space and for sponsorship:

Sujoy Gomes: 8657795881 | Email: Sujoy.G@ASAPPinfoGlobal.com

For delegate seats for the conferences:

Siraj: +91 97695 77206 | Email: Siraj.K@ASAPPinfoGlobal.com

www.fujisilvertech.com

FUJI SILVERTECH FROM BLUEPRINT TO REALITY

Because India is ready to build smarter.

India is growing rapidly, and at the heart of this transformation is Fuji Silvertech. We provide end-to-end precast solutions with precision engineering, scalable design, fast execution, and unmatched durability. Tailored for every challenge, our systems are crafted in controlled environments and installed quickly on-site. This is not just concrete; it's confidence in form.

We're not just constructing structures - we're crafting a visionary India that leads with strength and smart innovation.



🌎 🎯 🥸 /fujisilvertech 🛭 in company/fuji-silvertech1 🖾 info@fujisilvertech.com 📞 +91 79 40210000