

Equipment INDIA

India's First Infrastructure Equipment Magazine®

December 2024 • Vol. 17 No. 11

www.EquipmentIndia.com

₹150

Visit us at

bauma CONEXPO INDIA

Hall: 12, Booth: V55

PERSON OF THE YEAR 2024

Jaideep Shekhar, MD, Terex India, received the EQUIPMENT INDIA PERSON OF THE YEAR Award at the 12th Equipment India Awards.



Instant Subscription





**SERVICE RESPONSE TIME
GUARANTEE***

**PARTS ON TIME
GUARANTEE***

THAT'S THE CVA COMMITMENT.

**SERVICE RESPONSE
GUARANTEE**



TECHNICIAN ON SITE

within
8 HOURS¹
or you'll receive complimentary
service-related benefits[^]

**PARTS AVAILABILITY
GUARANTEE**



MAINTENANCE PARTS

as soon as
NEXT BUSINESS DAY²



REPAIR PARTS

as soon as
2ND BUSINESS DAY³

SPEAK TO YOUR CAT® DEALER ABOUT CVA SERVICES COMMITMENT OR VISIT [CAT.COM/CVA-IN](https://cat.com/cva-in)

GMMCO LIMITED
1800 425 2546 sales@gmmcoindia.com

GAINWELL COMMOSALES PVT. LTD
1800 419 3356 marketing@gainwellindia.com

*Terms and conditions apply. Contact your participating Cat dealer for details. ¹8 hours from the service request. Means 8 hours from initial customer contact logged via Services Commitment hotline (during the participating Cat dealer's business hours). ²Next business day. The business day next to the date of initial customer contact logged via Services Commitment hotline or Order Need-By-Date sought by the customer, as the case may be. ³Second Business Day. The end of the second business day from initial customer contact logged via Services Commitment hotline (during the participating Cat dealer's business hours). Customer calls outside the participating Cat dealer's business hours will be considered to have an initial customer call date and time of the start of the next business day. [^]Contact your local Cat dealer for specific benefits.

© 2024 Caterpillar. All Rights Reserved. CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar Corporate 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.



Mumbai

Dipti : +91 84228 74027

Delhi

Rajeev: +91 84220 43000

South

Sudhir: +91 84229 87406

Pune

Nilesh: +91 84228 74036

Ahmedabad

Sunil: +91 84228 74011

Kolkata

Abhijit: +91 84228 74022

For Subscription

Sub@EquipmentIndia.com

Tel: 022-31033000

Published byASAPP Info Global Services Pvt Ltd,
A-303, Navbharat Estates, Zakaria Bunder Road,
Sewri (West), Mumbai-400 015.
Tel: 022-31033000.

*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, EQUIPMENT INDIA holds no responsibility for any unlikely errors that might occur.

Printed and Published by Tarun Pal on Behalf of 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.

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. EQUIPMENT INDIA holds no responsibility for any decision taken by readers on the basis of information provided herein.

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 digital edition of Equipment India
log on to: www.EquipmentIndia.com

BUILDING EFFICIENCY, SAFETY & SUSTAINABILITY

AI or artificial intelligence is the biggest innovation of the 21st century. Its applications will change the speed of change in every aspect of commerce, industry and society. The use of AI can contribute greatly to safety as it can collate the cause of accidents under different circumstances and warn of its recurrence if tasks planned are run through the AI engine which has analysed past data sets. AI could also help with predictive maintenance, enhance efficiency and improve productivity. OEMs should gather data from customers and then in turn provide them models for better productivity. This can revolutionise customer satisfaction.

Indian construction equipment (CE) manufacturers have been granted a three-month extension to comply with stricter safety standards for electric CE. Originally slated to take effect on October 1, 2024, the revised deadline is now January 1, 2025. These updated norms aim to enhance worker safety on construction sites, protect public health, and support the growing electric CE market in India.

The Indian CE industry is increasingly aligning with global sustainability trends by adopting some of the world's strictest emission standards. These new regulations, driven by regulatory pressures, environmental concerns, and the broader shift toward cleaner technologies, are pushing OEMs to meet stricter emissions targets. This shift will impact various operational aspects, including supply chains. Major OEMs are already rolling out electric dumpers, earthmoving machines, and other advanced vehicles in the Indian market. Many of these machines will be showcased at Bauma Conexpo India in December 2024 and the Bharat Construction Equipment Expo in January 2025. For example, JCB has unveiled updated models featuring engines that comply with Stage V emissions standards, which were displayed at the IndiAirport Expo. Other companies, such as Case Construction and LiuGong India, are also planning to launch a range of electric and battery-operated machines to meet India's growing demand for sustainable solutions.

In another significant development, India's automotive components industry is projected to exceed \$80.1 billion in revenue by FY25, growing at a CAGR of 8 per cent since FY20. The Automotive Component Manufacturers Association forecasts a 7 to 10 per cent growth rate for FY25, driven by strong performance in the two-wheeler segment.

India's mining and construction equipment industry is poised for significant growth, with localisation levels expected to rise to 70 to 80 per cent over the next five to seven years. This shift could help the industry save nearly \$3 billion in foreign exchange annually, improving India's cost competitiveness and enhancing its export potential. The mining and construction equipment sector, which has benefited from India's infrastructure-led growth, has already experienced a 12 per cent CAGR over the past decade (FY2015-FY2024), with sales reaching 1.36 lakh units in FY2024. Additionally, BEML has recently bagged an order worth ₹2.4 billion from Central Coalfields (CCL) for 48 rear dump trucks.

The government will be greatly stepping up capital expenditure given the lag in expenditure in the first six months and although it will miss the Rs 11.11 trillion budgeted target, there will be enough action on the ground. We look forward to seeing you at Bauma Conexpo, which will take place from December 11-14, 2024. Be sure to visit us at our booth in Hall 12, V55.



Pratap Padode

Follow me on twitter @PratapPadode

INSIDE

Cover Story: Interview

“Automation and digitalisation are integral to our product strategy.” 22



Jaideep Shekhar, Managing Director, Terex India, speaks on the significant trends that are shaping the industry in India today.

bauma Conexpo Special

“The expo will feature over 1,000 exhibitors, making it the largest edition yet.” 26



Bhupinder Singh, CEO, Messe Muenchen India, discusses how bauma Conexpo India will contribute to the growth of the construction equipment industry in India.

“We are unveiling electric and hybrid machines.” 30

– VG Sakthikumar, Managing Director, Schwing Stetter India

“We will showcase our latest crusher and screening buckets.” 34

– Piero Guizzetti, CEO, MB Crusher India

“All our new products are CEV V compliant.” 36

– Sanjeev Bajaj, Chief Officer, Escorts Kubota

Drives Innovation in India’s Concrete Industry 41

– Dilip Sharma, President, Columbia Machine Engineering

“HD Hyundai is moving towards Industry 4.0.” 42

– Rajiv Chaturvedi, Vice President, HD Hyundai Construction Equipment

“We will be unveiling four electric products.” 48

– Rohit Punjabi, Vice President – Excavator Business, LiuGong India



“Bonfiglioli is in midst of ₹3,200 million capex in India.” 46

– Kennady V Kaippally, Country Manager, Bonfiglioli India

“At BKT, we are focusing on sustainable sourcing.” 50

– Prasanta Ganguly, Head – OTR Marketing (Domestic Sales), Balkrishna Industries

“The future of foundation engineering looks promising.” 52

– Animesh Nandy, Managing Director, Bauer Equipment India

“Our emphasis is on manufacturing machines that are fuel-efficient.” 56

– Manish Mathur, CEO, Action Construction Equipment

Revolutionising Motor Grader Industry with Performance 60

– Mukul Dixit, Director – Sales and Marketing, Caterpillar’s Global Construction and Infrastructure Division.

“We will showcase our 125kVA CPCB IV+ genset.” 64

– Interview with the Cummins team

Feature: Equipment Finance
Innovative Financing Models Fuel Growth 68



Financing models are transforming the construction equipment sector, driving growth in emerging markets like India, where strategic partnerships and tailored solutions are accelerating infrastructure development.

**MANN
FILTER**

Ready for big business.

MANN-FILTER for construction machines.

**MANN
FILTER**

**Protect
your
machine!**



Whether excavators, loaders, or dump trucks: construction machinery is subjected to heavy-duty work loads, and must hold up under even the most demanding conditions – and usually under constant use. Besides regular servicing, choosing the right filters is decisively important to maintaining the efficiency and service life of your machinery fleet. Whether air, oil, fuel, or hydraulic filters: in our comprehensive product range, you'll find the right filters for virtually all standard machinery models of the top-brand manufacturers. Always choose 100 % Original MANN-FILTER OE quality!

MANN-FILTER – Perfect parts. Perfect service.

www.mann-filter.com

For enquiries contact : office.india@mann-hummel.com, +91 80 6620 7120, +91 89046 18457

INSIDE

Report

India's Road Expansion Fuels Surge in CE Demand

72



Fueled by rising government spending, rapid urbanisation, technological innovations, and the 'Make in India' initiative, the future of the construction equipment industry is

promising, brimming with potential and opportunities.

Event Report

Shaping the Future of Sustainable Mining

86



IMME 2024, held in Kolkata, showcased cutting-edge mining technologies and fostered global collaboration, highlighting sustainability, innovation, and India's growing role as a key player in the global mining industry.

Regulars

Findex	8
What's Up	10
Around the World	18
CASH News	90
Movers and Shakers	95
Tenders	98

Scan this code with your smartphone* to stay tuned with the latest happenings in the world of Equipment.



*QR code application required.



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



Rolling Strong



C.A.S.H

75

Special Focus: Undercarriage Parts Rolling Strong

76



Undercarriage parts are the unsung heroes of heavy machinery, enduring tough conditions and ensuring smooth operation.

Guest Column

Critical Role of Lubrication in Mining

82

Mobilgrease XHP™ 462 Moly is indispensable for applications where heavy loads and extreme pressure are common.

Interaction

"ELGi sees growth in vacuum technology market."

85



– Dr. Jairam Varadaraj, Managing Director, and Anvar Jay Varadaraj, Chief Operating Officer, Elgi Equipments,

share more about the company's future plans and industry trends.

CYLINDER HEAD & CYL. BLOCKS MACHINING

- Valve Seat & Guide Machines
- Cylinder Block Boring Machines
- Cylinder Head & Block Surfacing Machines
- Valve Grinding Machine
- Cylinder Block Honing Machines

US PATENTS BY ROBINS

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

VR 10P

Valve Grinding Machines



Machines displayed may include optional accessories

SG12

HEAVY DUTY Smart

Smart Series Seat & Guide



SPRING FREE TOOLING
Invented in 2003.
Patented and in use world-wide!



SCAN TO WATCH

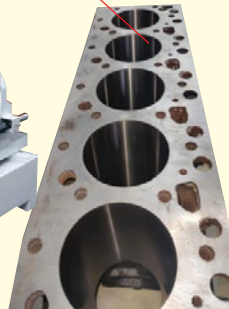
Watch over 230+ Videos on
You Tube Robins Machines Channel



CYLINDER BLOCK BORING MACHINES



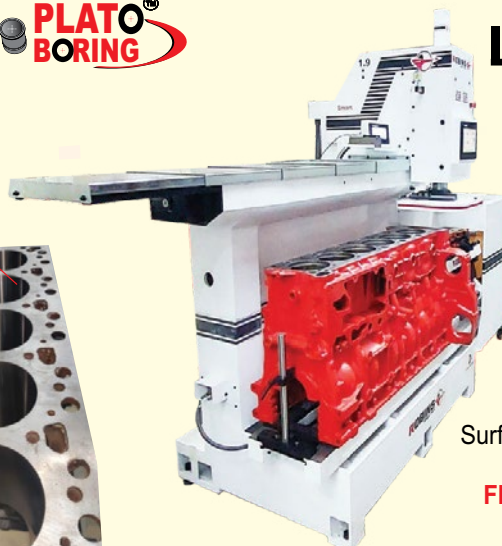
PlatoBore finish



RUBi PLATO BORING

RUBi SURF

CYLINDER HEAD & BLOCK SURFACING MACHINES



Surface finish down to $0.4 \mu\text{m Ra}$
Best in the industry
Flatness within 10 microns

ROBINS 

41 Years of Excellence

[f](https://www.facebook.com/robinsmachines) [i](https://www.instagram.com/robinsmachines) [y](https://www.youtube.com/robinsmachines) [in](https://www.linkedin.com/company/robinsmachines) /robinsmachines

youtube.robinsmachines.com

rc@RobinsMachines.com

www.RobinsMachines.com

VN VAN NORMAN

55, Industrial Area, Phase 2, Chandigarh-160002

+91-81602 34425 , +91-99-155-44-777

(Domestic Sales)

(Export Sales)

PERFECTION...PASSION...SUSTAINABLE DESIGNS

SEARCH

This service is provided for easy reference to the organisations and individuals reported in this issue.

ORGANISATION

Action Construction Equipment	10, 56, 68
Avant Tecno	96
Balkrishna Industries	50
Bauer Equipment	52
BEML Limited	12
BKT Tires	50
Blue Diamond	20
Bonfiglioli India	46
Cat	20, 95
Caterpillar India	60
CMC	96
Columbia Machine	41
Cummins India	64
Deere	20
ELGi Equipments	84
Escorts Kubota	38
ExxonMobil	83
FORNAXX	18
HD Hyundai Construction	42, 97
Hitachi Construction	20

JCB India	10
Komatsu	20
Liebherr	18
LiuGong India	48
MB Crusher India	34
Messe Muenchen	26
Propel	12
Sany	18
Sany India	12, 69
Schwing Stetter India	28
Shriram Finance	70
TIL Limited	12
Volvo	97
WOLFF	18

PEOPLE

Animesh Nandy	52
Anvar Jay Varadaraj	84
Bhupendra Patel	14
Bhupinder Singh	26
Deepak Shetty	10, 69

Dilip Sharma	41
Dr Jairam Varadaraj	84
Eiji Fukinishi	20
John May	20
Kennady V Kaipally	46
Manish Handa	68
Manish Mathur	56
Mukul Dixit	60
Piero Guizzetti	34
Prasanta Ganguly	50
Rajesh Wazarkar	12
Rajiv Chaturvedi	42
Rohit Punjabi	48
Sanjay Saxena	69
Sanjeev Bajaj	38
Sorab Agarwal	10
Sumit Rana	83
Umesh Revankar	70
VG Sakthikumar	28
Vögele	95
Wirtgen	95



COVER STORY:

- Post Bauma 2024

FEATURE:

- Tower Cranes
- Sensor Paver

CASH SPECIAL FOCUS

- Diesel Engines

**BOOK YOUR
AD SPACE
TODAY !**

Issue closes on 23th December 2024

FOR ADVERTISING

Adsales@EquipmentIndia.com

MUMBAI - DIPTI: +91 84228 74027
DELHI - RAJEEV: +91 84220 43000
SOUTH - SUDHIR: +91 8422987406
PUNE - NILESH: +91 8422874036
KOLKATA - ABHIJIT: +91 8422874022



INSTANT
ADVERTISEMENT



ASAPP INFO GLOBAL SERVICES PVT. LTD.

A-303, Navbharat Estate, Zakaria
Bunder Road, Sewri (West),
Mumbai - 400015.

www.EquipmentIndia.com





Work Environment Is Tough, We're Tougher

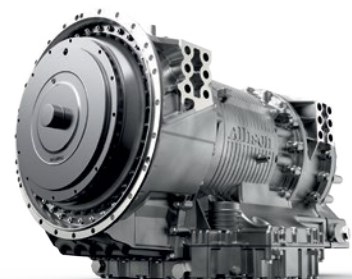
With more than 65 years of moving earth and rock in coal, copper, gold, diamond and other kinds of mines around the world, Allison fully automatic transmissions have proven themselves in some of the most challenging conditions. On job sites today, they continue to be relentless, carrying overburden up and down steep grades hundreds of times a day.

The gravel roads, loose soil, mud and steep grades found at mining operations put enormous strain on transmissions. These conditions make transmissions more susceptible to driver abuse. An Allison Automatic has no mechanical clutch so downtime is rarely a concern. The only preventive maintenance consists of routine oil and filter changes.

allisontransmission.com



© 2024 Allison Transmission Inc. All Rights Reserved



JCB inaugurates new dealer branch in Hosur, Krishnagiri

JCB India announced the opening of the newest branch of its Dealership, TRR Automotive in Hosur, Krishnagiri district. Offering JCB India's full product portfolio, the newly inaugurated state-of-the-art facility is set to provide technologically advanced construction and earthmoving equipment solutions to customers in the region.

Spread across 13,500 sq ft, the new JCB TRR automotive dealership branch employs over 30 skilled personnel comprising sales, service and parts teams. The facility has a three-bay integrated workshop, one Workshop- On-Wheels Van and a Parts Van along with a LiveLink command centre to ensure

unmatched customer experience.

Speaking at the opening ceremony, **Deepak Shetty, CEO and Managing Director of JCB India**, said, "Hosur is an industrial powerhouse that is rapidly expanding and evolving into a key economic driver for the region. Infrastructure development is one of the main factors driving Hosur's growth. The State Government is also placing a lot of emphasis on developing Hosur's physical and social infrastructure. We see immense potential here and with TRR's new branch facility, JCB is committed to contributing to the development of the region with our



cutting-edge product portfolio."

JCB is a leading manufacturer of Earthmoving and Construction equipment in India. JCB has a network of more than 60 dealers and 700 outlets spread throughout India.

ACE posts robust Q2 FY25; revenue up by 14.5% YoY

- ACE registered its best-ever Q2 i.e. Jul-Sep quarter in terms of revenue and margins.
- Continued growth momentum with operational revenue growing by 12.2 per cent on a YoY basis
- EBITDA Margins expand by 268 bps YoY to 18.04 per cent
- Margin expansion continued, driven by operating leverage, a better product mix and efficient cost control measures
- Cranes, material handling and construction equipment volumes grew by 9 per cent YoY, Revenue grew by 13.11 per cent YoY

On ACE's performance, **Executive Director, Sorab Agarwal** shared that the company's consistent strong performance is reflective of our strategic clarity, strength of our brand, capabilities of our team and the agility to run the business. "By



balancing growth initiatives with prudent financial practices, we have been able to deliver strong returns while continuing to invest in capacity expansions with cutting edge technologies. In the quarter gone by, we have reinforced our liquidity position, improved working capital efficiency and further fortified our balance sheet which gives us the flexibility to seize growth opportunities in the future."

Construction costs rise 11% in 2024, driven by labour expenses

The cost of construction in India increased by 11 per cent over the past year, primarily driven by a 25 per cent rise in labour expenses, according to Colliers India. While prices of key materials like cement dropped by 15 per cent and steel saw a marginal 1 per cent decrease, the surge in labour costs stretched construction budgets across sectors.

The residential segment experienced the sharpest cost escalation due to a growing focus on quality construction and demand for gated communities. Meanwhile, commercial and industrial real estate remained resilient, with 37 million sq ft of office space and 22 million square feet of warehousing space completed in the first nine months.



G-PROFI ENGINE OIL

COMPREHENSIVE PRODUCT OFFERING FOR YOUR MINING EQUIPMENT

G-Profi MSI Plus 15W-40 – is a high-performance engine oil engineered 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

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

To get more information contact us at:

Email: enquiry@ensooils.com

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



bauma CONEXPO INDIA

India Expo Centre, Greater Noida / Delhi NCR

11 Dec. - 14 Dec. 2024

VISIT US

@

Booth: J 45 | Hall No: 05

TIL strengthens global partnership

TIL Limited, a cornerstone in India's material handling and infrastructure equipment manufacturing sector, announces the renewal of its dealer sales and service agreement (DSSA) with Hyster-Yale Asia-Pacific. Under the renewed five-year agreement, TIL have exclusive distribution rights for certain Hyster® brand products in designated territories. Additionally, TIL takes on the responsibility for sales support and after-sales service to ensure optimal customer satisfaction. Leveraging Hyster-Yale's OEM expertise, TIL aims to enhance its customer support through



improved maintenance and parts solutions. The agreement also emphasises continuous training and skill development for TIL's teams, ensuring they remain at the forefront of industry innovations. This strategic

renewal marks a significant milestone in TIL's 80-year legacy of excellence and innovation, further strengthening its position as a leader in the material handling sector.

Rajesh Wazarkar, Managing Director, Hyster-Yale Lift Trucks India, said "TIL has been our valued partner since 2008, and I want to emphasise how crucial an established dealer like TIL is to our success considering the importance of strong aftermarket support. Under the new TIL leadership, we are eager to solve customers' toughest problems and elevate our close business relationship to new heights."

Sany India secures 1.6 GW wind turbine contracts

Sany India has achieved a significant milestone in its recent venture into India's renewable energy sector with Sany Wind Energy India. Sany India has rapidly established itself as a trusted partner in the wind energy landscape, securing large wind turbine sales agreements totaling 1.6 GW. These include a 1,324 MW agreement with three



subsidiaries of the JSW Group and a 300 MW contract with the Indian arm of Sembcorp. This highlights Sany India's strategic entry and steady growth in India's wind energy market.

Propel electric tipper truck 470HEV achieves Homologation certification!

Propel Industries, India's fastest growing crushing equipment manufacturer, has reached a key milestone. The electric heavy-duty tipper, the 470 HEV, from the house of Propel has received Homologation certification which is a document which certifies that a vehicle is roadworthy and complies with the government's safety standards.

V Senthil Kumar, Managing Director, Propel Industries, said, "The electric heavy-duty Tipper, the 470



HEV was initially manufactured for off-road applications. Receiving the Homologation certification is a groundbreaking achievement as it reaffirms our commitment to pushing boundaries."

BEML gets ₹246.78 cr truck supply order from Central Coalfields



BEML has secured an order worth ₹246.78 crore from Central Coalfields (CCL) for the supply of rear dump trucks that are used in mining operations. As part of the order, BEML said it will supply 48 BH60M rear dump trucks, along with spares, and also provide after-sales service support. BEML has secured a substantial order worth ₹246.78 crore from CCL. The trucks have been developed in-house with features like a 360-degree rear camera for comprehensive visibility and improved safety, an automatic fire suppression system for emergency preparedness, and an auto lube system to ensure seamless maintenance.



GET THE GROWTH CATALYST BY YOUR SIDE. GET CASE.



180+ YEARS
LEGACY OF
ASSURANCE



RELIABLE
TRANSMISSION
TECHNOLOGY



ASSURED
ENGINE
PERFORMANCE



ENERGY
SAVING
FEATURES



HIGHEST
STANDARDS
OF SAFETY

With over 180 years of innovations,
CASE offers excellence at work with its world-class machines.
Our machines are made in India, and exported across the world,
maintaining the highest standards of safety, reliability and efficiency.
Contact your nearest CASE dealer or call us on our toll-free number to know more.

EXPERTS FOR THE REAL WORLD
SINCE 1842

CaseCE.com
1800 4199 770

CASE Construction India copyright© publication released in December-2024.

₹162.4 bn boost for Mumbai railway network

The central government has allotted ₹162.40 billion to improve Mumbai's railway network. According to Railway Minister Ashwini Vaishnaw, the funds will be used for station upgrades, land acquisition, installation of additional lines, elevated corridors, interchange links, and other enhancements. To further improve Mumbai's infrastructure, the government plans to build 301 new railway tracks.

The government also intends to build additional terminals at Parel and Jogeshwari while expanding the capacity of existing terminals at

Bandra, Vasai Road, Mumbai Central Terminal, and Chhatrapati Shivaji Maharaj Terminus (CSMT). On the Central Line, the capacity at Lokmanya Tilak Terminus (LTT) will be increased to separate local and long-distance trains. Parel, Panvel, and Kalyan will become major junctions, the minister announced during an event.

"The construction of the metro, coastal roads, and railways will significantly improve the lives of Mumbaikars," said the minister. "By the end of 2025 to 2027, 300 km of projects will be completed. Currently,



3,200 local trains operate on the Western and Central railway lines. Once all these projects are finished, at least 300 more trains will be operational."

The minister highlighted the introduction of Kavach 5.0 technology, which features CBTC (communication-based train control). "The new Kavach version will reduce the minimum train running gap from 180 seconds to 150 seconds", he said.

228 infra projects worth ₹15.89 trn recommended for approval

As many as 228 big-ticket infrastructure projects of different ministries, including roads and railways, worth ₹15.89 trillion have been recommended for approval under the PM GatiShakti initiative so far, a top government official said. These projects have been recommended by the Network Planning Group (NPG) constituted under the PM GatiShakti initiative launched.

"So far, 228 projects have been assessed under the initiative worth ₹1,588,919 trillion," Additional Secretary in the Department for Promotion of Industry and Internal Trade (DPIIT), Rajeev Singh Thakur said. There are several benefits of using the PM GatiShakti system, including significant cuts in time and cost for planning these infrastructure projects. The maximum number of projects recommended by the group



is related to roads (108), railways (85), urban development (12), and four from the oil and gas ministry.

The inter-ministerial NPG meets every fortnight and appraises infra projects to ensure multi-modality, synchronisation of efforts, and comprehensive development in and around the project location.

The initiative was launched to develop an integrated infrastructure to reduce logistics costs. All logistics and connectivity infrastructure projects, entailing investments of over ₹5 billion are routed through the NPG.

Gujarat CM inaugurates 184 projects

Gujarat CM Bhupendra Patel inaugurated 184 development projects in Dhandhuka, a significant step toward improving infrastructure in the region. The total value of these projects is Rs 246.31 crore, which will go toward various sectors such as roads, water supply, drainage systems, and public utilities.

The projects are designed to boost local infrastructure, making Dhandhuka a more connected and accessible area. Roads, bridges, and public amenities are among the key focuses, all aimed at improving the living standards of residents and supporting economic activities in the region. In addition to inaugurating completed works, the CM also laid the foundation for several upcoming projects, further signalling the state's commitment to comprehensive regional development. These projects are expected to create job opportunities, support business growth, and enhance overall quality of life.

BHARAT KA VIKAS BHARAT KA TIRE



BKT, an Indian MNC and a global player in the Off-Highway tire market, manufactures over 3,200 extensive range of specialty tires catering to various industries. BKT is a truly built-in Bharat and dedicated to the monumental task of building our nation - Bharat.

BKT's latest solutions at

bauma
CONEXPO INDIA

GREATER NOIDA

December 11th-14th, 2024

BKT Stall - O.G10.

BKT

GROWING TOGETHER



[in](#) [f](#) [X](#) [v](#) [i](#) [o](#) [g](#) [bkt-tires.com](#)

Kerala approves 32 infra projects worth ₹743.37 crore

Kerala is set to receive a major boost in its infrastructure with the Kerala Infrastructure Investment Fund Board (KIIFB) approving 32 infrastructure projects worth a total of Rs 743.37 crore. These projects span several critical sectors, including healthcare, education, transport, and urban development, and will significantly enhance the state's infrastructure and quality of life.

Among the major projects approved are the construction of a new district hospital, a digital science park, and a carbon-neutral park in Wayanad. The hospital is expected to offer advanced medical services, while the digital science park will create a hub for technological innovation. Other projects include the expansion of Technopark in



Thiruvananthapuram, the development of a smart city in Kochi, and efforts to address human-wildlife conflict through protective measures.

The KIIFB has already funded over 1,000 projects across Kerala, contributing to the state's comprehensive development agenda.

Chief Minister Pinarayi Vijayan has lauded the role of KIIFB in driving forward the state's development agenda and has highlighted the importance of these infrastructure projects in boosting the state's economy and improving the lives of its residents.

TN explores PPP for ₹4,500-cr power transmission project

The Tamil Nadu Transmission Corporation (Tantransco) is set to adopt the tariff-based competitive bidding (TBCB) method for a ₹4,500 crore greenfield power transmission project. This will involve the creation of a 765/400 kV substation in the Coimbatore region, coupled with 240 km of associated transmission lines stretching from Ariyalur to Tirupur, where the substation will be located.

The new 765 kV substation, slated for construction in Uthukuli, Tirupur, will be situated on a 100-acre site, with the acquisition of 32 acres currently underway. The substation is a key part of Tantransco's 765 kV transmission network and is expected to play a vital role in supplying power to the key load centres across the state, especially in Coimbatore. The power from the North Chennai Pooling Station will be transmitted via the Ariyalur 765 kV substation to this region. As per the plan, the new Coimbatore 765/400 kV Substation will be connected to 230 kV substations at OK Mandabam, Ponnapuram, Selvapuram, and Palladam, with a 47 km 400 kV feeder line linking to the Edayarpalayam 400 kV Substation.

Cabinet approves ₹115 cr for Patna Metro

The Union Cabinet has approved an allocation of ₹115 crore to expedite the Patna Metro Rail Project. The project, part of the government's focus on bolstering infrastructure in urban areas, is expected to alleviate traffic congestion, enhance connectivity, and provide eco-friendly transportation options to the city's residents.

The Patna Metro project involves constructing two corridors: the Danapur-Mithapur route and the Patna Railway Station-New ISBT corridor, spanning a combined length of approximately 31 km. Once operational, the metro is anticipated to significantly reduce travel time and fuel consumption, contributing to a reduction in the city's carbon footprint. The ₹115 crore funding is targeted at speeding up key aspects of construction, including station development, viaduct erection, and track laying.



Introducing The New LPK 1112

With
11 200 kg
GVW



AB PROFIT HOGA
AUR BHI ZYAADA

LPK 1112



3.3 L NG D12
Engine



Gradeability
41 %



5 Cu. M
Loading Area

For more details, contact your nearest dealership or call on
1800 209 7979 or visit trucks.tatamotors.com

TATA TRUCKS
DESH KE TRUCKS

Five WOLFF cranes modernise Oslo's Ulven district

In parallel with the rebranding of Wolffkran Norge AS into a wholly owned subsidiary of Wolffkran Holding AG, Wolffkran is involved in two building projects in Norway's capital, Oslo, which are now nearing completion. With a total of five WOLFF cranes of type 7534.16 Clear, Wolffkran Norge AS is significantly involved in the urban modernisation of the eastern Oslo district of Ulven, which has long been known more as an industrial suburb, on behalf of Norway's largest construction company, Veidekke.

Two WOLFF 7534.16 Clear cranes have been used over the past two



years to build the Ulvenkroken residential complex, an apartment building with 180 units, on behalf of Veidekke. The cranes, each with a maximum lifting capacity of 16.5 tonne, a point-bearing capacity of 5.0 tonne and a jib radius of 60 m, were used to transport heavy prefabricated parts.

FORNNAX launches SR-MAX2500 primary shredder at IFAT India 2024

Fornnax, a renowned shredding and recycling equipment provider with years of experience in designing and developing SR-Series dual shaft shredders, has unveiled its advanced level SR-MAX2500 shredder specially designed for the municipal solid waste category.

The launch was held IFAT India 2024, a most prestigious event in the waste management industry, on October 16, 2024, at the Bombay Exhibition Centre in Mumbai.

Fornnax's successful track record of developing many proven machines for different types of tires, ferrous and non-ferrous metals, which are the most difficult applications, has made them a pioneer in the shredding and recycling equipment manufacturing global market over the decade now. The design of the SR-Series machine, a legacy that has prevailed for over a decade, continues to be used in the design of SR-MAX series machines.

Liebherr hydraulic excavators renovate taxiway

Liebherr-Mietpartner GmbH has proven to be a reliable partner for KEMNA BAU on the D1 taxiway at Hamburg Airport. With the rental of six powerful machines, the work on the taxiway was completed reliably and to a high standard. In particular, the rapid availability of the machines and the reliability of Liebherr employees and machines were decisive factors for KEMNA BAU in choosing Liebherr.



Once the old concrete surface of the taxiway had been milled away, the four mobile excavators and two crawler excavators came into play: First, hydraulic hammers were used to break out damaged concrete patches before the taxiway was excavated and an asphalt base layer was applied as part of the extensive renovation work. This created the basis for the SAMI layer (Stress Absorbing Membrane Interlayer) – a type of “stress-relieving intermediate layer” – before the asphalt surface course was finally installed.

Sany empowers intelligent port construction to achieve major breakthrough

Sany Marine Heavy Industry (Sany Marine), the port machinery subsidiary of Sany Group (Sany), has achieved a significant breakthrough

with its H-Move2.0 intelligent system in the tire crane automation project at the Port of Tianjin. The system has improved the operational efficiency of tire cranes to 20 moves per hour, setting a new standard in the development of green, and intelligent ports.

Liebherr to exhibit at World of Concrete 2025

Liebherr will participate at World of Concrete 2025 showcasing the 38Z4 XXT truck mounted concrete pump equipped with the latest drive technology as well as the THS 110 D-K

crawler pump at booth #C6149. The 38 XXT features a four-part distribution boom in a convenient Z-fold making it easy to handle and offers an impressive reach for the 30 m class. This comes standard with XXT-outriggers and an XXA stability assistance system.



Tough



Versatile



ONE TOUGH ANIMAL

Empowering



Inventive



Visit us at

bauma
CONEXPO INDIA
& Experience innovation in motion



11th to 14th December, 2024



Booth Number: Outdoor O.D:60



Location: IEML, Greater Noida



www.bobcat.com



1800 103 2869; +91 96000 04852



bobcatindia@doosan.com

Hitachi full battery dump truck wins Silver Anthem Award

Hitachi Construction Machinery won a silver award for its ultra-large full battery dump truck in the Anthem Awards' Responsible Technology category. The Anthem Awards, presented by the Webby Awards, celebrate the purpose and mission-driven work of the individuals, companies, and organisations making a difference worldwide.

"We are honoured to receive an Anthem Award for the world's first original equipment manufacturer to develop an ultra-large full battery

dump truck and test it on an active mine site. This win in the Responsible Technology category is a testament to how we plan to build the future sustainably and reliably," says Eiji Fukinishi, Hitachi Construction Machinery VP and executive officer, president of Mining Business Unit, in a statement. "The battery dump truck represents the future, not only for the Hitachi Construction Machinery Group but for the mining industry as a whole."

The full battery dump truck,



jointly developed with ABB, proved to be one of the most responsible tech submitted, according to the company. Based on Hitachi's experience with dump trucks equipped with trolley dynamic charging systems, the full-battery dump truck can continuously operate by directly charging from the overhead lines and the regenerative braking system.

Cat Command expands to medium wheel loader models

Cat Command for Loading is now available on all medium wheel loaders, including Cat 950, 962, 966, 966 XE, 972, 972 XE, 980, 980 XE, 982, and 982 XE next-generation loaders. Removing the operator from the machine, Command for Loading offers semiautonomous remote control to increase operating safety in hazardous environments.

The system is designed to remove operators from potentially hazardous job sites by offering remote machine operation from a safe distance. This is meant to eliminate safety risks and reduce injuries from climbing on and



off machines.

By allowing the user to comfortably control the machine from a safe location, Command maintains high machine productivity in operating environments like demolition, environmental remediation, stevedoring and the handling of fertilizer, chips, and sawdust, according to the company.

Deere sales fall 12% in 2024

Deere & Co. reported fiscal 2024 sales of \$51.7 billion, down 16 per cent from \$61.3 billion in 2023. Sales in agriculture were down 22 per cent, and sales in construction and forestry dropped 12 per cent. Net income for the year was \$7.1 billion, a 30 per cent drop from income of \$10.2 billion in 2023.

"Amid significant market challenges this year, we have proactively adjusted our business operations to better align with the current environment," said John May, chairman/CEO, in a statement.

Komatsu's new WA700-8 wheel loader

Komatsu's new WA700-8 wheel loader comes equipped with new engine technology and a redesigned 12-cubic-yard bucket, allowing it to fill a 70-tonne haul truck in four passes. The 214,069-pound

wheel loader is powered by a 773-horsepower Tier 4 Final diesel engine that offers 8 per cent more gross power, 8 per cent more fuel efficiency and 15 per cent more torque than the previous model. The variable traction control system helps prevent tyre slippage.

Blue Diamond rolls out 19 brush cutters

Blue Diamond Attachments has rolled out a full line of brush cutter attachments — now available in heavy, extreme, and severe duty models — for skid steers, compact track loaders, mini skid

steers, excavators and mini excavators. Designed for site prep and clearing jobs of all sizes, Blue Diamond offers 13 different models of brush cutters for use with mini skid, skid and track loaders. It also has six mini excavator and excavator brush cutter models.



Explore The Future Of Road Maintenance With...



Roadsaver

Livebottom



Mastic Kettle



Crack Sealer



Scan To Know More

Authorised Distributor
Gainwell Commosales Private Limited
'Unnati' 1-C/1 Ecotech II, Udyog Vihar Greater Noida, India - 201306
✉ marketing@gainwellindia.com, ☎ 1800 419 3356

“Automation and digitalisation are integral to our product strategy.”

Jaideep Shekhar, Managing Director, Terex India, speaks on the significant trends that are shaping the industry in India today.



“The anticipated growth in infrastructure development directly translates to increased demand for crushing and screening solutions.”

Congratulations on being named the Equipment India Person of the Year 2024. How does it feel to be recognised for your leadership, and what do you think has contributed most to your success in leading Terex India to where it is today?

Thank you! It's an incredible honour to be recognised among the industry's stalwarts. This award is not just a personal achievement but a reflection of the collective effort of the entire Terex India team. Our success stems from a shared commitment to excellence, continuous innovation, and a deep understanding of our customers' evolving needs. The unwavering support of my team and the trust of our stakeholders have been instrumental in our journey.

This award comes at a significant time for Terex India. Could you share with us the key milestones or achievements you're most proud of since taking the helm of the company?

Our journey at Terex India began with a focus on track machines, and over the years, we have steadily expanded our product portfolio to include several new brands across multiple sectors. From crushing and screening equipment to lifting solutions and recycling technologies, we've grown into a comprehensive solutions provider. The recent launch of products like the Franna cranes and advancements in recycling equipment are a testament to our diverse capabilities. Moreover, our products are not just designed for the Indian



Terex India prioritises delivering world-class products that combine superior performance with unmatched reliability.

market but are also being exported globally, strengthening our international presence.

We've also made significant investments in expanding our manufacturing facilities, enhancing our aftermarket services, and offering customised solutions that cater to local and global demands. These achievements reflect our vision of delivering value through innovation, global reach, and world-class technology.

The crushing and screening industry has seen various shifts in demand, technological advances, and regulatory changes in recent years. What would you say are the most significant trends shaping the industry in India today?

The industry is being shaped by several key trends, including the shift towards eco-friendly solutions, automation, and digital integration in equipment. There's also a growing emphasis on maximising efficiency and uptime to meet higher production standards. Regulations and job site requirements for cleaner-powered and quieter equipment are driving demand of our electric and hybrid

equipment. Our hybrid range of machines offers customers the flexibility to power their plant either by mains electricity or an on-board genset power-pack.

The Indian construction and infrastructure sectors are expected to witness considerable growth in the coming years. How does this impact demand for crushing and screening equipment, and what steps is Terex India taking to meet these demands?

The anticipated growth in infrastructure development directly translates to increased demand for crushing and screening solutions. At Terex India, we are scaling up our production capacity, enhancing our product portfolio, and investing in R&D to introduce innovative solutions. Our focus remains on delivering reliable, efficient, and customisable equipment to meet the diverse needs of this dynamic market.

At bauma ConExpo India 2024, Terex India will showcase exciting new product launches, including advanced solutions for the quarrying, recycling, and construction sectors. These innovations reflect our

commitment to providing high-performance, cost-effective equipment tailored to meet the evolving needs of our customers. These launches underscore our dedication to supporting the growth of infrastructure in India and internationally.

Automation and digitalisation are becoming critical drivers for many industries. How is Terex India embracing these trends, and what role do you see automation playing in the future of crushing and screening equipment?

At Terex India, automation and digitalisation are integral to our product strategy, driving us to constantly innovate. We are one of the first companies in the crushing and screening domain globally to launch telematics across our tracked mobile range of equipment. Telematics provides customers access to complete information on the machine such as production data, performance data, and other vital parameters. This year, we have introduced advanced solutions like our Connec-T platform, which leverages telemetry systems to provide real-time equipment mon-

itoring and predictive maintenance. These technologies not only improve operational efficiency but also reduce costs and enhance safety.

Another standout example of our dedication to digital innovation is the launch of our AI-powered assistant, “Ask Terex”, designed specifically for Powerscreen equipment. This tool empowers operators by providing real-time solutions to operational queries, offering instant insights and facilitating quick decision-making. It reduces downtime by addressing potential issues directly on-site, ensuring greater productivity and smoother project timelines. At Terex India, we believe these innovations are key to transforming the way our customers work, enhancing both their operational efficiency and safety on the job.

How does Terex India approach sustainability and environmental responsibility within the crushing and screening industry, especially considering the growing emphasis on eco-friendly and energy-efficient equipment?

Sustainability is a cornerstone of our strategy at Terex India, and we are committed to developing energy-efficient solutions that minimise environmental impact. A prime example of this commitment is the Terex Ecotec TTS 620i Trommel, the first “Made in India” model, proudly launched at this year’s IFAT show. Designed for efficient screening of compost, biomass, soil, gravel, and other waste materials, it is an ideal solution for waste segregation and recycling applications. More than half of the track machines sold by Terex India are hybrid, reflecting our focus on reducing emissions and enhancing fuel efficiency.

At Bauma this year, we will further this commitment by unveiling electric-powered track machines, expanding our eco-friendly offerings to reduce emissions and support



From crushing and screening equipment to lifting solutions and recycling technologies, Terex India has grown into a comprehensive solutions provider.

sustainability in construction, waste management, and recycling sectors. Complementing these efforts, we are also showcasing the EvoQuip Cobra 290R Impact Crusher, known for its versatility in applications like steel slag crushing for road construction, and the Terex Washing Systems Logwasher, which excels in cleaning and recycling for construction and demolition (C&D) applications. Together with stringent environmental manufacturing standards and investments in waste reduction and recycling technologies, these innovations reinforce our dedication to driving a sustainable future.

With increasing pressure on industries to meet higher production and efficiency standards, how is Terex India ensuring its equipment remains at the forefront of performance, while maintaining quality and reliability?

Terex India prioritises delivering world-class products that combine superior performance with unmatched reliability. Our rigorous testing processes and stringent qual-

ity control measures ensure that our equipment meets the highest industry standards. Our robust aftermarket support, including a comprehensive network of dealers and service centres, provides customers with timely assistance and genuine parts, maximising uptime and minimising operational disruptions.

Looking ahead to 2025, what are Terex India’s key goals or plans in terms of capacity expansion, product innovation, and market share? How do you plan to further strengthen the company’s position in the Indian market?

In 2025, we aim to further strengthen our market position by expanding our manufacturing capabilities, launching innovative products, and enhancing our digital offerings. We will continue to focus on sustainability, customer satisfaction, and operational excellence. By leveraging cutting-edge technologies and a strong customer-centric approach, we are confident in our ability to drive growth and shape the future of the industry.



RUBBER KING 
RELIABILITY MEANS EVERYTHING!

INDUSTRIAL - FARM - OTR
PNEUMATIC TYRES

ENGINEERED TM
for success

Visit us at

bauma CONEXPO INDIA

11 Dec. – 14 Dec. 2024

India Expo Centre, Greater Noida / Delhi NCR

Hall No. 11, Booth No. N35



Rubber King Tyre Private Limited

104, Naindhara Apartment, Sarkhej - Gandhinagar Hwy, Near GNFC Info Tower,
Bodakdev, Ahmedabad, Gujarat 380054 India

+91 75675 60814 mktg@rubberkingtyres.com www.rubberkingtyres.com





“The expo will feature over **1,000 exhibitors**, making it the largest edition yet.”

Bhupinder Singh,
CEO, Messe
Muenchen India

In your opinion, how does bauma Conexpo India contribute to the growth of the construction equipment industry in India?

bauma Conexpo India plays a critical role in the growth of India's construction equipment industry by providing a global platform for innovation, networking, and knowledge exchange. The trade fair brings together industry leaders, manufacturers, and stakeholders, encouraging collaborations and driving advancements in technology and sustainability. By showcasing the latest machinery, technologies, and sustainable solutions, bauma Conexpo India helps businesses keep pace with the industry's evolving demands. It also provides valuable insights through seminars and conferences, empowering local companies to adopt global best practices, thus contributing to the industry's overall growth.





What is the final tally of exhibitors, and the total space with halls?

We are excited to announce that bauma Conexpo India 2024 will feature over 1,000 exhibitors, making this the largest edition of the event to date. The exhibition will span the entire India Expo Mart, utilising both indoor and outdoor spaces across 14 expansive halls. This expansion allows us to accommodate a wider range of exhibitors and offers visitors an immersive experience, highlighting the latest trends and innovations in the construction machinery sector.

What according to you will be the major differentiating factor of bauma Conexpo India from all the other construction equipment exhibitions?

bauma Conexpo India stands out from other exhibitions through its comprehensive approach to addressing the industry's most pressing challenges and future trends. Our unique emphasis on sustainability, technology integration, and hands-on demonstrations sets us apart. The introduction of new zones focusing on sustainability, digitalisation, and the growing role of electric and hybrid machinery will be key differentiators. Additionally, the event's focus on enabling meaningful connections and collaborations through specialised sessions, such as those addressing energy efficiency and innovation in road construction, is unmatched in the industry.

What role do you believe technology plays in the construction industry, and how is it showcased at the exhibition at Greater Noida?

Technology is reshaping the construction industry by enhancing efficiency, reducing costs, and driving sustainability. Innovations such as automation, telematics, and advanced machinery are revolutionising how projects are executed. At bauma Conexpo India 2024, technology is showcased in several ways, includ-



Innovation and research are at the heart of bauma Conexpo India 2024.

ing live equipment demonstrations, a dedicated VR Zone for immersive tech experiences, and a Tech Pavilion featuring the latest digital solutions. These features allow visitors to experience firsthand the technological advancements transforming the construction landscape, from smart construction tools to sustainable machinery solutions.

What are the exhibitors' and visitors' expectations from bauma Conexpo India?

Exhibitors and visitors alike expect bauma Conexpo India to be a dynamic hub for discovering advanced technologies, networking with industry leaders, and gaining insights into market trends. Exhibitors are eager to showcase their latest products and innovations while connecting with potential clients and partners. Visitors, on the other hand, look forward to exploring state-of-the-art machinery and participating in informative sessions that will help them understand and adapt to the latest developments in the industry. Both groups expect a well-organised event that facilitates business growth and fosters valuable connections.

How do you look at the market for construction equipment in India?

The construction equipment market in India is poised for significant growth, driven by the country's rapid infrastructure development, urbanisation, and government initiatives such

as 'Housing for All' and 'Smart Cities'. The demand for high-quality, energy-efficient machinery is on the rise, as is the need for sustainable solutions in construction. As the industry embraces technological advancements, including automation and green technologies, we see immense potential for both local and international companies to thrive. bauma Conexpo India serves as a critical platform for this market, bringing together global leaders to address the evolving needs of the sector.

Innovation and research are getting a boost. How will this be reflected at bauma Conexpo India 2024?

Innovation and research are at the heart of bauma Conexpo India 2024. We are dedicating significant space to showcase the latest in research-driven innovations, including electric and hybrid machinery, alternative fuels, and energy-efficient solutions. Exhibitors will unveil new products that incorporate latest technologies, aimed at improving performance while reducing environmental impact. The exhibition will also feature a series of seminars and workshops, including those focusing on smart construction and sustainable building practices, which reflect the growing emphasis on innovation in research and development within the industry. These innovations will shape the future of construction, and bauma Conexpo India is proud to be at the forefront of this transformation.



360° SOLUTIONS FOR THE

Construction INDUSTRY



**Auger
Drives**



**Transit Mixer
Drives**



**Wheel
Drives**



**Cutter
Drives**



**Travel & Track
Drives**



**Slew
Drives**



**Pneumatic Tyred
Rollers Wheel Drives**

We have been enhancing Construction Equipment performance, efficiency, productivity and reliability for more than 40 years. Associated with the world's major players, our team of experts create, design and produce advanced technology solutions for a wide range of equipment such as Earthmoving, Mining, Road Building, Material Handling and Building Construction. The range of products include Track Drives, Slew Drives, Drum Drives and Winch Drives are tailored to meet a broad variety of specifications.



SCAN ME

National Dial-in number: 844 844 8649
www.bonfiglioli.com

Follow us on LinkedIn: <https://www.linkedin.com/company/bonfiglioli-india/>



“We are unveiling electric and hybrid machines.”

Schwing Stetter India is one of the leaders in concrete construction equipment manufacturing in India. **VG Sakthikumar, Managing Director, Schwing Stetter India,** speaks on the currents trends in the industry.

What trends are you currently seeing in the construction equipment sector, and how is your company adapting to these trends?

The construction equipment sector is currently seeing several transformative trends, including automation, telematics, sustainability, and digitalisation. At Schwing, we are at the forefront of embracing these changes. Our focus on IoT integration in machinery, including telematics, is revolutionising the way we collect data, optimise equipment performance, and enhance productivity. The growing demand for eco-friendly machinery, such as our electric-powered machines and CNG-powered vehicles, is a direct response to the increased emphasis on sustainability. Furthermore, we are continuously innovating to meet the evolving needs of the market, ensuring that our products contribute not only to efficiency but also to environmental responsibility.

Can you discuss any innovative technologies or products you are showcasing at the exhibition?

At BC India, we are thrilled to showcase some of our most cutting-edge products that combine advanced technology with practical solutions. One of the highlights is our S43 SX III concrete boom pump, which offers superior flexibility, efficiency, and a higher degree of control during operations. We are also unveiling electric and hybrid machines that are designed for sustainable, high-performance operations. Our focus on telemetry and data-driven insights is

another key feature. We believe that these innovations will drive the future of construction, contributing to both cost efficiency and environmental sustainability.

What challenges do you see facing the industry in the coming years, and how is your company preparing to tackle them?

One of the most significant challenges we foresee in the coming years is the shortage of skilled labour in the construction sector. This issue will only become more pressing as demand for infrastructure continues to grow. Schwing is addressing this by expanding our operator training programmes to ensure that the next generation of workers is equipped with the necessary skills to handle advanced machinery. Additionally, raw material price volatility and stricter environmental regulations are challenges we are actively tackling through innovative design and by investing in sustainable technologies. By incorporating IoT solutions and energy-efficient machinery, we are also preparing for the future in terms of reducing operational costs and minimising environmental impact.

Are there any upcoming projects or initiatives your company is excited about that you can share with us?

We have some very exciting projects on the horizon! We're particularly enthusiastic about the all-women service centre that we inaugurated recently, which is a first-of-its-kind initiative in India. This initiative supports our goal of promoting diversity in the construction industry and provides specialised training for women in the





VISIT US AT
BOOTH NO. J10, OUTDOOR

bauma CONEXPO INDIA

11Dec. - 14 Dec. 2024

India Expo Centre, Greater Noida / Delhi NCR

LIUGONG
INDIA

TOUGH WORLD. TOUGH EQUIPMENT.

✉ india@liugong.com
🌐 www.liugongindia.com

LIUGONG CARE
☎ **1800 1033 852**



heavy machinery sector. Additionally, we are working on new product launches that integrate electric and hybrid technology, responding to the growing demand for sustainable solutions. These projects reflect our commitment to being not only a leader in machinery but also in corporate social responsibility and sustainability.

With the Indian government now fast-tracking infrastructure projects, the construction equipment sector is expected to get increasingly busy. How do you look at the market for your products in India?

India's infrastructure boom presents a huge opportunity for growth in the construction equipment sector. As the government focuses on ambitious projects like highways, smart cities, and rail corridors, the demand for high-performance machinery will rise. Schwing is well-positioned to capitalise on this growth, as our wide range of products, including stationary pumps, mixers, and batching plants, are ideally suited

to meet the demands of large-scale infrastructure projects. We expect to see increased demand, particularly for technology-driven solutions that enhance efficiency and reduce downtime. Schwing's focus on quality and durability makes us a trusted partner for contractors looking to deliver complex projects on time.

Please share more information on the investment made in the Indian market in terms of the manufacturing facility, etc.

Schwing Stetter India has made significant investments in our Chennai facility, where we manufacture a wide array of machinery, including concreting equipment and earth-moving machinery. This state-of-the-art facility has enabled us to cater to the growing demand for high-quality machinery in India. The investment reflects our long-term commitment to the Indian market, ensuring localised production, quicker turnaround times, and cost-effective solutions for our customers. We

continue to upgrade our technology and invest in automation to further improve manufacturing efficiency.

How was the year 2024 in terms of performance? What is your company's plan for 2025?

The year 2024 has been a year of solid growth for Schwing Stetter India. Our focus on innovation, sustainability, and customer satisfaction has paid off, and we've seen increased demand for our eco-friendly products and technology-driven solutions. Our sales have grown steadily, and we've expanded our service network to support our growing customer base. Looking ahead to 2025, we plan to continue this growth trajectory, focusing on expanding our product portfolio, particularly in electric and hybrid machinery, and enhancing our service offerings. We're also focused on reinforcing our training programmes to ensure that the next generation of operators is ready to handle the challenges of tomorrow's construction sites.



Intelligent Integrated Power Systems



BONDIOLI AND PAVESI INDIA PRIVATE LIMITED - B 600, Unit A, Gat No 341, Indospace AS Industrial Park, Village Mahalunge, Chakan, Maharashtra 410501 - 02135635500 - india@bondioli-pavesi.com - www.bondioli-pavesi.com

Bondioli & Pavesi's solutions are driven by function

From simple systems to advanced drive trains with electronic controls our mission is to supply the right integrated solution for your machine.



**BONDIOLI
& PAVESI** 
bondioli-pavesi.com



“We will showcase our latest crusher and screening buckets.”

MB Crusher India is one of the leaders in the production of jaw-action bucket crushers and screening buckets. **Piero Guizzetti, CEO, MB Crusher India,** discusses about the innovative products that the company will be showcasing at the exhibition.



What trends are you currently seeing in the construction equipment sector, and how is your company adapting to these trends?

The construction equipment sector is increasingly moving towards digitalisation, sustainability, and automation. With advancements like IoT integration and AI-driven equipment management, we are seeing a shift in how machines are monitored, maintained, and optimised. Additionally, there's a strong emphasis on eco-friendly practices as projects demand lower emissions and energy-efficient solutions. On-site material processing has also become a major trend, as it reduces logistics costs and minimises environmental impact.

Our crusher and screening buckets are designed to capitalise on this trend, helping operators recycle materials on-site and save on transportation and disposal costs. This trend aligns well with India's infra goals and the demand for rapid project completion while maintaining sustainability standards and recycling materials to the extent possible.

Can you discuss any innovative technologies or products you are showcasing at the exhibition?

At bauma ConExpo India 2024, we are excited to showcase our latest BF90.3 crusher bucket and MB-S18 screening bucket. The BF90.3 is a unique crusher bucket that enables on-site crushing and material recycling, turning demolition waste into reusable aggregate. This model has gained traction globally, and is our leading product in India, due to its robustness,

ease of use, and adaptability across various terrains and materials.

The MB-S18 screening bucket is another innovative product that we're highlighting. It's designed for versatile screening and separation tasks, allowing operators to process soil, sand, and gravel on-site efficiently. Both these products demonstrate our commitment to sustainable, cost-effective solutions that cater to the diverse needs of India's CE sector. Live demonstrations at our stall O.F10 will allow attendees to see firsthand the productivity and efficiency gains these machines can bring to any project.

With the Indian government now fast-tracking infrastructure projects, the CE sector is expected to get increasingly busy. How do you look at the market for your products in India?

With India's infrastructure landscape rapidly expanding, we see a strong demand for MB Crusher's solutions, especially in on-site material processing. Our equipment is well-suited for the road construction, mining, urban development, and demolition sectors, all of which are gaining momentum as the govt prioritises large-scale projects.

The market for crusher and screening buckets is expected to grow as project timelines tighten and the demand for efficiency rises. We are optimistic about meeting this demand with products that deliver cost savings and sustainability, helping construction companies meet environmental and project targets. 🏗️

To read full interview, log on to: www.EquipmentIndia.com

KOMATSU

**VISIT US &
EXPLORE WHERE
THE ACTION IS!**

Outdoor Stall - OH30

bauma CONEXPO INDIA

11th Dec - 14th Dec, 2024

Designed to maximize profits

PC35MR | Your compact partner
Mini Excavator

PC35MR



High Durability
& Quality



Superior
Comfort



Easy
Maintenance

Komatsu India Private Limited

No. 43/4, Urban Vault Citrine Building, 6th Floor,
Bellary Road, Hebbal, Bengaluru, Karnataka - 560 092

Scan QR Code
for Website



Follow us on





“All our new products are CEV V compliant.”

Escorts Kubota is one of India's leading engineering conglomerates, with eight decades of experience in manufacturing excellence. **Sanjeev Bajaj, Chief Officer, Escorts Kubota,** discusses the innovations showcased by the company during bauma India.



What cutting-edge innovations in your product offerings are helping to address the challenges of large-scale infrastructure projects, such as highways, metro rail, tunneling, mining, railways, and mega industrial projects? How do these innovations contribute to faster project delivery and cost-effectiveness? Additionally, how are your company leveraging advancements like AI, IoT, and autonomous systems to enhance operational efficiency, safety, and project timelines?

India is poised to become the third largest economy by 2030 with India share of Global GDP to be 5.1 per cent from current 3.5 per cent. This will be at a CAGR growth of ~9 per cent during this period. This growth will be part of our endeavor of a Viksit Bharat by 2047 and infrastructure growth will be the cornerstone which will bring great opportunity for the CE sector.

This opportunity comes with its own set of challenges and responsibilities. We understand that our products must deliver high duty cycles, deliver productivity and economy, and ensure safety for the users and people in vicinity, durability of equipment as well as ensuring a cleaner environment. All these aspects are at the core of our design

and manufacturing goals and we are confident that with each new development we are able to deliver superior products on each of these customer requirements.

Our equipment

range can address the changing needs of construction and is evolving constantly. Load safety is linked with telematics so that it is well monitored at large infrastructure sites. IOT is also helping us to make smarter machines connected to the customers, providing connectivity and productivity. This is the reason we are the preferred partner to our customers in the nation building. Sustainability is a critical aspect of modern infrastructure. How is your company innovating to reduce energy consumption, minimise emissions, and incorporate green technology in your equipment? Can you discuss any success stories or metrics that showcase your progress in this area?

Sustainability is critical to human life and we are focused on this aspect right from the way equipments are designed for lower fuel consumption per unit of work done. The choice of materials used both by us and our suppliers comply with all the guidelines and good practices. We are actively adopting energy-efficient technologies in our equipment to reduce environmental impact and also enhance operational safety, for example compliance to CEV stage V is an important step towards reducing carbon footprint. Our new products are more fuel efficient compared to outgoing models due to innovative solutions provided in our hydraulic and engine systems which reduce the overall energy demand. Our manufacturing facility is energy and water efficient, generating our own solar power and harvesting water. In the past few years, you have been focusing on exports. However, global markets are quite competitive. What

HEAVY LOADS, SMARTER OPERATIONS HX950I

Faster Cycle Time

Heavy Duty Structure

BS V Compliant Weichai Electronic Engine



bauma CONEXPO INDIA

11 Dec. - 14 Dec. 2024

India Expo Centre, Greater Noida / Delhi NCR

Visit us at Stall No. O.J-30



marketing.india@hd.com



9168622778

HD Hyundai Construction Equipment India Pvt. Ltd.

Plot No. A-2, M.I.D.C. Chakan, Phase II,

Village: Khalumbre, Taluka: Khed, Dist: Pune-410501



strategies does your company employ to differentiate its products and services on a global scale? How are you overcoming barriers such as price competitiveness, tariffs, logistics, and local content regulations in key export markets?

Our relentless focus to understand the needs of global customers and our upgraded products with the latest level of emission and safety are increasing the acceptance of our products in the global market. The gap between the products from developed markets and developing markets is gradually reducing and new products are more acceptable due to lower cost base from India. For example our newly designed exports backhoe loader, which has features like, Extending dipper, Rock breaker, Multiple bucket options, AC/HVAC and suitability to extreme subzero climate is making a large difference for our position in global markets. Our distribution is expanding the share of business is well spread over more than 20 countries now.

Given the rising costs of production and operational challenges, how are you optimising manufacturing processes and addressing supply chain issues? Are there specific innovations that are helping you reduce costs without compromising on quality or delivery timelines?

Our plant has been rapidly adopting efficient operations through the KPS (Kubota Production System) implementation. This also resulted in improved capacity to handle the future demand and to deliver high level of quality, while minimising the waste.

Our supply chain has gone through a complete procurement assessment programme and supplier quality upgradation for uniformity of processes and delivery. There is a Kaizen Community which is also participated by experts from Kubota Japan, which works on the theme-based projects for cost, productivity, efficiency of operations at our suppliers.

Capacity enhancement for critical suppliers is also undertaken and there are investments being made to meet the levels which are projected for the industry in the time to come. **The MSME sector is crucial to the success of the construction equipment supply chain. How do you envision the upskilling MSMEs to ensure high-quality component production? Are there existing collaborations or government programs you're involved in to uplift MSME standards?**

The MSME sector is very crucial to the construction equipment supply chain. To upskill the MSMEs to take leap in producing high quality

components, we are closely working with these industries.

We provide technical assistance to MSMEs through establishing our standards / process, promote the adoption of international quality standards like ISO 9001 and TS 16949. This can help

MSMEs establish a reputation for quality and reliability, making them more attractive to OEMs and other buyers. This can help them adopt best practices, improve their production processes, and enhance their product quality.

Recommending them to participate/engage with government agencies, industry associations, etc. through various events organised by the ICEMA and CII. These programs are focused on areas such as quality control, lean manufacturing, and the use of advanced technologies.

Also driving the "Make in India", this flagship initiative aims to promote manufacturing in India and encourage MSMEs to participate in the global supply chain.

What incentives or support mechanisms should be in place to attract multinational component





L&T Hydraulics

Reliable Partner for all Customised **Hydraulic Solutions**



Girdler Transporter



Trencher



Straddle Carrier

L&T Construction Equipment Limited, a leading hydraulic solution provider, with over 30 years of expertise, specialising in the design and manufacture of High-pressure Hydraulic Products and



Hydraulic Power System



Swivel Joint



Torque Motor



Radial Piston Pump



Hydraulic Cylinder

Customised Hydraulic Systems. Our extensive range of Hydraulic Products Serves diverse sectors such as Construction, Earth Moving, Concrete, Mining, Material Handling, Industrial and Marine Applications.

Hydraulic systems for bulk material handling are customised to meet specific Customer requirements, covering design, fabrication, installation and commissioning.

We deliver tailored technology solutions to empower the infrastructure sectors in overcoming challenges.

Products are manufactured at our production facility in Bangalore, with sales offices located in Bangalore and Kolkata.

Manufactured, Marketed & Serviced By

L&T Construction Equipment Limited

Survey No. 28 Thammashetti Halli, Doddaballapura Taluk, Bangalore - 561203 Karnataka

Tel: 080-22175207 / 208 Website: www.Lnt-hydraulics.com

manufacturers and investment in high-quality component manufacturing for the equipment and automotive sectors? How can the government and industry work together to ensure that components are manufactured locally, and that vendors have the technological and financial capabilities to meet international benchmarks?

Government's continuous focus on CE industry and faster response to industry issues through ICEMA has created an environment where innovative products and solutions are serving the customers. Government's vision on energy and self-sufficiency and climate change is driving the industry to develop fuel efficient and carbon neutral products.

While there is a need for the manufacturers to invest in these technologies, it is imperative that these efforts are supported through targeted PLI or other incentives to encourage the pace of investment. Adoption of carbon neutral technology will also need external environment support, and this would require initiatives from government as well as industry.

How can the industry-government partnership improve to

streamline business operations and foster innovation? If you had the opportunity to suggest one or two major policy reforms to the government, what changes

positive global

would have the most immediate and impact on the

competitiveness of the construction equipment industry?

Industry and government has been partnering in many ways and there is an evolution of whole industry, we have seen. However, there are challenges we should recognise and address which may become a priority with the scale at which we are advancing in infra development.

One such area to focus on would be bringing uniform standards across different types of equipments used, in terms of emission, safety, registration laws, etc.

and a roadmap for say a decade, which will give directions for manufacturers to plan the capacity and capex requirements.

Infrastructure industry including manufacturers are facing growing challenge on skilled manpower availability and though credible efforts are being done by various

government and private agencies but to meet the demand on numbers and quality these efforts need to be more coordinated by design and outcome based to meet certain standards.

How does your participation at Bauma India 2024 reflect the theme of 'Innovation for Nation Building,' and what specific innovations are you showcasing that align with this theme?

Our participation in bauma Conexpo India 2024 aligns with the theme 'Innovation for Nation Building' where safety, productivity and efficiency remain our top priorities. We are introducing innovations focused on energy efficiency, operator safety, automation and real time monitoring. These advancements reflect our commitment to supporting India's infrastructure growth safety and sustainably.

All our new products are CEV V compliant and CEV II safety legislated with various innovative features to serve the diverse needs of the customers, be it captive usage or rental applications. Our product range represents 55 per cent of CE industry by volume and we are focused on our role in leading the technologies and solutions for our customers always.





Drives Innovation in India's Concrete Industry

Columbia Machine, a global leader in concrete production technology, is driving innovation in the Indian market. We specialise in concrete block machines and concrete wet press solutions, catering to the growing demand for high-quality concrete products.

Key trends shaping the industry:

Demand for superior quality:

Customers seek high-strength, dimensionally accurate concrete products with superior finishes. Our patented vertical mould vibration technology delivers exceptional results.

Automation for efficiency: To address rising labour costs, automation solutions for green product stacking and finished product cubing are in high demand.

Expanding product range: There is an increase in demand for concrete wet press products like kerb stones, saucer drains, RCC drain covers, and paving slabs.

Leading the way in concrete production technology

Columbia Machine, through its acquisition of Wil El Mil in October 2022, has strengthened its position as a global leader in concrete wet press technology. We're proud to bring this cutting-edge technology to India, manufacturing state-of-the-art single station wet press machines at our advanced facility in Vadodara, Gujarat.

Addressing industry challenges

A segment of customers favours



Columbia Machine's reliable, high-quality solutions over low-cost, delicate alternatives. Our focus on premium products and exceptional customer service has earned us a loyal customer base, including top producers in India.

Additionally, certain Indian manufacturers have started replicating European plant designs and offering them at reduced prices. While these lower-cost alternatives may appeal to price-sensitive buyers, they often lead to "dead" investments, as the initial savings quickly turn into long-term losses due to subpar performance and durability. Those with sufficient resources often return to us after experiencing such disaster, but unfortunately, many are unable to withstand the financial repercussions of such investments. This cycle of low-cost attraction and the ensuing financial

strain continues to be a significant challenge in our industry.

Driving infrastructure development

India's rapidly expanding road network presents significant opportunities. Our patented vertical mould vibration technology enables the production of high-quality segmental retaining wall blocks, ideal for constructing durable flyovers. Additionally, our high-strength, single-layer pavers are being used in major infrastructure projects like the Pradhan Mantri Gramin Sadak Yojana (PMGSY).

Fuelling growth and expansion

Record sales in FY24 have fuelled our commitment to growth. We've significantly increased our manufacturing capacity and office space by another 100 per cent to meet the rising demand for our products. Our global expansion efforts have also gained momentum, with exports to four continents.

As a comprehensive equipment manufacturer, we offer a wide range of solutions, from batching and mixing plants to handling systems and moulds. This unique capability sets us apart in the industry and contributes to our sustained growth.



About the author:
The article is authored by Dilip Sharma, President, Columbia Machine Engineering.



“HD Hyundai is moving towards Industry 4.0.”

HD Hyundai Construction Equipment is one of the leading manufacturers of construction and earthmoving equipment in India. The company's Vice President, Rajiv Chaturvedi, speaks about how the company is leveraging AI and IoT to enhance efficiency and safety.



What innovations in your product offerings are helping to address the challenges of large-scale infrastructure projects, such as highways, metro rail, tunnelling, mining, railways, and mega-industrial projects?

HD Hyundai is engineering equipment that caters to the needs of large-scale infrastructure projects like highways, metro rail systems, tunnelling, mining, railways, and mega-industrial developments. The company's products focus on safety, productivity, and sustainability in response to the construction industry's demand for high-tech, high-performance machines.

In our product, we focus on bringing in the innovations that add value to our customers. To give some examples, our HX520L mining excavator features Intelligent Power Control (IPC), offering three fuel-efficient modes, significantly reducing fuel consumption without compromising power.

To mitigate the harsh conditions in large-scale infrastructure projects, we built our excavators with a reinforced undercarriage and high-tensile steel, making it ideal for extreme conditions, ensuring longer machine life. To ensure reduced downtime, we have Hi-MATE and Hi-TRACK, remote management systems that provide AI-powered predictive maintenance to reduce unplanned downtime, enabling proactive fixes before problems cause delays, thereby maintaining high operational efficiency.

We equally focus on operator comfort and

safety and the same is demonstrated in all our products. Our HL930I and HL950I wheel loaders are perfect examples of the same. Both wheel loaders feature climate-controlled cabins and enhanced visibility to minimise operator fatigue.

We are equally working on having a sustainable future. A perfect example of the same is our HX35Az mini excavator, which is compliant with tier-4 emissions standards, and the HL930I and HL950I wheel loaders will feature BS-V engines by 2025, ensuring minimal environmental impact through reduced emissions.

How is your company leveraging AI, IoT to enhance efficiency and safety?

Our focus on fuel-efficient engines, advanced cooling systems and auto-idle features results in savings on operational costs, especially for long-term projects. This is very important for our customer to keep a check on the project cost.

Our AI-powered predictive maintenance Hi-MATE and Hi-TRACK allows for real-time data analytics, enabling predictive maintenance to anticipate wear and reduce unexpected downtime. This keeps machines running at peak performance, minimising delays and costs.

At global level, we have started working on autonomous systems for enhanced productivity. Autonomous capabilities and IoT integration will help HD Hyundai's machines to perform tasks like earthmoving and material handling with minimal human intervention. This accelerates project timelines and reduces errors, enhancing overall project efficiency. We have not kept any timeline yet to launch the autonomous system yet.



Nextgen Cranes



Lorry Loaders

ACE



**INDIA'S NO. 1
CRANE BRAND**

Crawler Cranes



Tower Cranes

Truck Cranes



**Toll Free Service Help Line
1800 1800 004**

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



But we will be keen to bring it in India as soon as possible.

What strategies does your company employ to differentiate its products and services on a global scale?

We have become the No. 1 exporter of crawler excavators from India, shipping over 6,000 units to 45+ countries. Our global success stems from its unique approach and core philosophy, "Advantage India", which drives strategic actions to differentiate its offerings.

Key differentiation strategies:

- **Customised products and competitive edge:** HD Hyundai tailors products to regional market needs and develops competitive strategies to stay ahead of local competitors, ensuring their products provide superior value.
- **Engaging global partners and dealers:** HD Hyundai strengthens relationships with its international partners by showcasing its state-of-the-art factory and engaging in live product demonstrations.
- **Proactive field engagement:** The company's sales and service teams maintain strong field presence in key export markets, regularly visiting clients and gathering Voice of Customer (VOC) insights to continuously improve products and services.

How are you overcoming barriers such as price competitiveness, tariffs, logistics, and local content regulations in key export markets?

HD Hyundai addresses global market challenges through strategic shipment planning, establishing stockpiles in key locations, and leveraging long-term relationships with shipping agents. To maintain competitiveness:

- **Focus on machinery with advanced features** that clearly differentiate HD Hyundai from

competitors.

- **Virtual training tools** ensure consistent and efficient skill development across regions. The company's product development process is closely aligned with real-world customer applications, reducing manufacturing lead times and improving delivery efficiency.

Are specific innovations or partnerships helping you reduce costs without compromising quality or delivery timelines?

HD Hyundai is moving towards Industry 4.0. The company added robotic welding, electric torque tools and many other latest technologies to enhance production precision, cut errors, and increase efficiency. These measures help reduce overall production costs.

By strengthening partnerships with local suppliers and adopting a lean manufacturing approach, HD Hyundai reduces dependence on imports, mitigating supply chain disruptions and supporting the "Make in India" initiative.

Also eco-conscious measures and energy optimisation strategies have helped reduce utility costs, bolstering the company's ability to maintain cost-effective manufacturing without compromising quality.

How does the YouTube Silver Play Button award motivate the company to continue engaging with audience?

Achieving the YouTube Silver Play Button for surpassing 1,00,000 subscribers is a testament to HD Hyundai's growing digital presence and the trust built with its audience. This milestone encourages the company to continue engaging with its audience, focusing on content that adds value at every touchpoint. With an emphasis on digital-first strategies, HD Hyundai aims to meet the evolving expectations of the next generation of customers through

e-commerce, tech-enabled experiences, and meaningful content.

How does your participation at Bauma India 2024 reflect the 'Innovation for Nation Building' theme, and what specific innovations are you showcasing?

HD Hyundai showcases innovations that align with India's vision of becoming a 'Viksit Bharat'. Through cutting-edge equipment, the company contributes to nation-building by enhancing infrastructure development across the country.

Our products are equipped with the cutting edge technologies and we are utilising Bauma as a platform to launch new products and variants of existing models. Each of our products is designed on the company philosophy of "building a comfortable tomorrow" by bringing in new innovations.

Innovations on display:

- **Mining excavator:** HX520L, HX380 and HX360 offer fuel efficiency and robust performance for large scale mining applications.
- **Infrastructure excavator range:** We have displayed our highest selling 8t to 20t machines, which are creating new benchmarks in the segment.
- **Mini excavators for urban infrastructure:** Compact, manoeuvrable, and ideal for precision work in urban projects like metro systems and road construction.
- **Next-gen wheel loaders:** Built for heavy-duty applications, these loaders feature high performance and a focus on operator comfort, with BS-V engines to reduce emissions.

Through these innovations, HD Hyundai demonstrates its commitment to supporting India's infrastructure growth under the "Make in India" initiative, delivering high-performance solutions that accelerate nation-building.





Products for mobile automation



Maximum reliability for extreme conditions

If there is one thing we know after many years of experience with sensors and control systems:

Products used in mobile machines must be extremely robust. Exposed to heat, cold, moisture, dust and vibrations, they must guarantee maximum reliability – even if the going gets tough. This is why we offer corresponding solutions for operation, communication and remote maintenance. The result: increased uptime and maximum reliability of your machines. ifm – close to you!



ifm electronic India Private Limited
Plot No. P-39/1, MIDC Gokul Shirgaon · Kolhapur - 416234 · Maharashtra
Phone: +91 231 267 2770 · Fax: +91 231 267 2388 · Toll Free: 1800 233 2065
E-mail: info.india@ifm.com · Internet: www.ifm.com



“Bonfiglioli is in midst of ₹3,200 million capex in India.”

Bonfiglioli manufactures gearmotors, drive systems and planetary gearboxes. **Kennady V Kaippally, Country Manager, Bonfiglioli India**, speaks on the investments made in the Indian market in terms of the manufacturing facility.



What trends are you currently seeing in the CE sector, and how is your company adapting to these trends?

Market trends in transmission systems of construction equipment (CE) are driven by the ever-increasing expectations of the customer from their equipment. These will include expectations of better efficiency, enhanced performance, higher durability, and improved operator comfort. Transmissions systems play an important part in helping the equipment to achieve these desired deliverables. Design of a transmission plays a vital part in delivering better efficiency, its optimisation with other elements in the drive train enhances the performance, right sizing of transmission gives higher durability and finally smooth operation, and low noise levels improve operator comforts. All these objectives don't always run concurrent to each other and many a time's achieving one may lead to undoing of the other. The challenge in design and manufacturing of a transmissions lies in coming up with innovate solutions that meet all these objectives. Bonfiglioli having worked with all major OEMs across the globe in CE, has decades of experience that enables it to provide solutions meeting these diverse objectives.

What challenges do you see facing the industry in the coming years, and how is your company preparing to tackle them?

It is our belief that with ever stringent

emission norms will pose a significant challenge to the industry. This will give the necessary impetus for CE's to evolve and become more efficient than ever before. Hybrid and electric technologies will come in for greater use as we move towards a greener economy.

Bonfiglioli's commitment to the green economy is a strategic choice, whose roots run deep into the company's past, and has conditioned Bonfiglioli's entire organisational model, not only in the choice of markets, but in the development of new products. In the last decade we have developed various products designed specifically for use with electric motors that offer a wide range of performance specifications. These include a series of drives for electric material handling equipment and drives with integrated electric motors for hybrid machines. These solutions have shown to deliver numerous benefits in terms of machine reliability, operating costs, and sustainability, thanks to low emissions and low working noise levels.

Are there any upcoming projects or initiatives your company is excited about that you can share with us?

We are excited about the diverse range of products that our customers are planning to add to their manufacturing portfolio in India. The drivers for this portfolio extension are both domestic and global demand, in all types of CE ranging from earth moving to road construction, mining and material handling. Our business philosophy has always been to partner with OEM who are leaders in their business and develop tailor-made, highly customised power transmission



solutions catering to their requirements. This approach has made Bonfiglioli the largest producer of planetary drives for mobile equipment. Whenever our customers are looking to expand their range of equipment or bring out new models, that require us to design and produce specific solution, they have a partner in us that is ever eager to expand its range.

With the Indian government now fast-tracking infrastructure projects, the CE sector is expected to get increasingly busy. How do you look at the market for your products in India?

Government capex on infrastructure projects have been and will remain in foreseeable future the drivers for the CE sector. The enhanced government spending especially after the pandemic has resulted in market expansion, especially for specialised CE. Bonfiglioli offers an unmatched range of drive, and we are in the only

manufacturer globally in a unique position to offer various types of geared drives in applications like track, wheel, drum, slew, conveying, winch, mixer, etc. We are a one stop shop for our customers, and we are very conscious of sensitivities and needs of customers. We are making conscious efforts to cater to the needs of our customers by making investments in India.

Please share information on the investment made in the market in terms of the manufacturing, etc.

Bonfiglioli is in midst of Rs 3,200 million capex in India, catering to our various businesses. We have already inaugurated our modern manufacturing facility in Pune in the first phase of this expansion and now have laid the foundation stone of our third and largest facility in India, coming up in Cheyyar in Tamil Nadu.

In the new era of growth, Bonfiglioli group continues to invest

in its commitment to innovation, excellence and sustainability. Keeping these in view we inauguration of our innovation centre at Chennai, “Bonfiglioli Technology Space”.

We have a state-of-the-art facility that will house over 180 engineers with diverse expertise. The centre is designed to create breakthrough solutions by integrating the most advanced mechanical, electrical, electronic, and hydraulic technologies.

How was the year 2024 in terms of performance? What is your company's plan for 2025?

The year 2024 has turned out to be a fruitful year; we registered growth across the various business segments. We expect this momentum to continue in 2025, with Indian CE Industry expected to register another record year. With the wide range of products, we offer to various segments of CE Industry, we expect growth across product segments.





“We will be unveiling four electric products.”

LiuGong India is one of the leading manufacturers of construction equipment in India. **Rohit Punjabi, Vice President – Excavator Business, LiuGong India**, discusses the trends he is observing in the construction equipment industry and how his company is adapting to these changes.

Can you share with us any innovative technologies or products your company will be showcasing at Bauma Conexpo?

As the world continues its shift towards greener solutions, we're proud to be leading the way in sustainability. At Bauma, we will be unveiling four electric products that highlight our commitment to reducing environmental impact. This includes a 22-tonne battery-operated excavator, a 3.5-tonne battery-operated wheel loader, and even a 2-tonne and 6-tonne class battery-operated wheel loader in the construction equipment sector.

Additionally, we will be showcasing new material handling equipment, also powered by batteries. This marks a significant step for us, especially here in India, where we are introducing these solutions for the first time.

What other trends are you observing in the CE industry, and how is your company adapting to these changes?

The most pressing issue today is the global challenge of pollution and carbon emissions. Across the world, we're focusing on reducing the carbon footprint in construction. In line with this, we are introducing a range of equipment that meets stringent emission standards. This includes not only electric and battery-operated machinery but also Stage V compliant wheel equipment—ranging from wheel loaders to motor graders and compactors. Our aim is to offer products that contribute to tackling global warming, ensuring that we leave a better world for future generations.

What do you see as the key challenges for the CE industry in the next few years? How is your company preparing to address these?

One of the major advantages we have in India right now is a stable government, which is driving infrastructure projects forward at full speed. This stability creates a favourable environment for growth, and I don't foresee many challenges arising from the governmental side.

However, for construction to continue at a rapid pace, public-private partnerships need to grow, and projects need to be completed faster. We're doing our part by providing the best equipment possible to support this, helping clients meet tight deadlines. Furthermore, as the industry expands, there is a need to manufacture key components locally. We see this as essential for long-term growth and sustainability in India, as it would not only benefit the domestic market but also boost our export potential.

You mentioned launching several battery-operated products at Bauma Conexpo. How do you assess the current market potential for these electric machines in India?

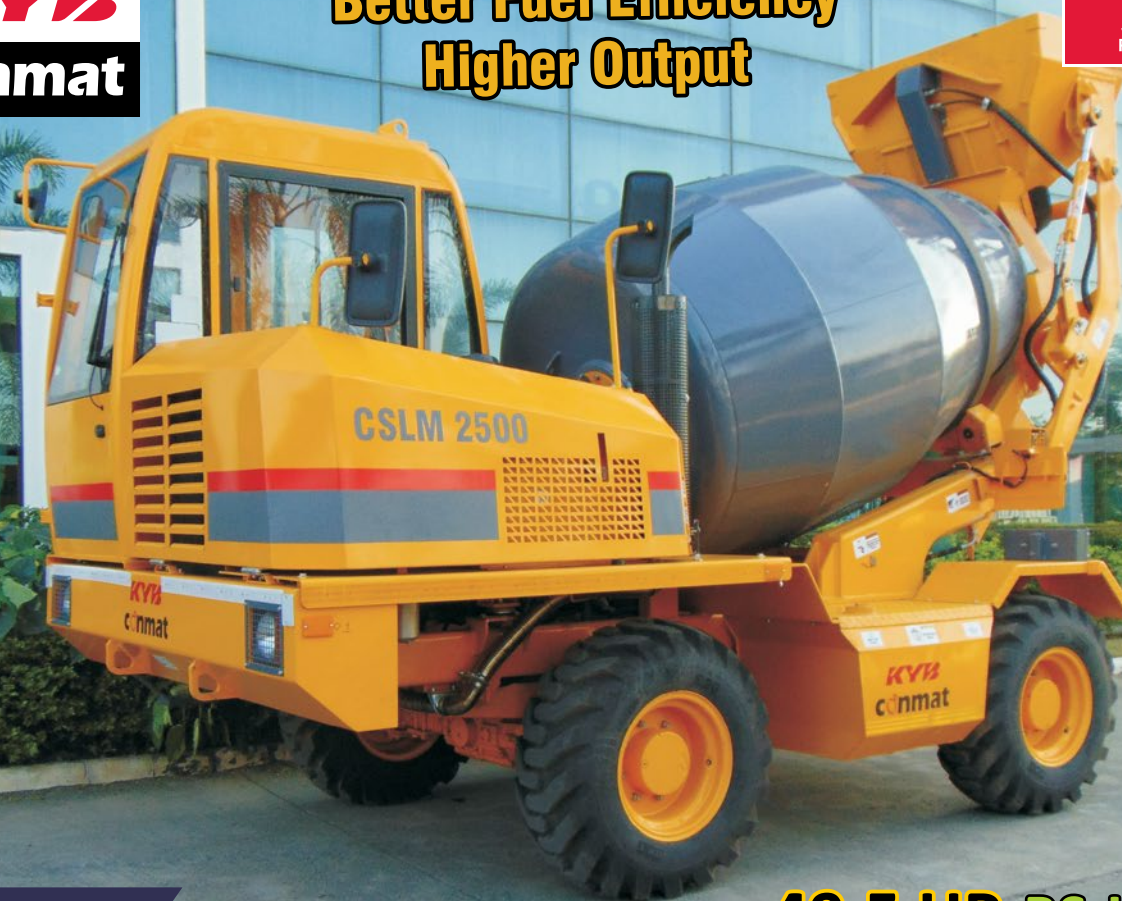
The market for electric and battery-operated machinery is still in its infancy in India. However, early adoption often leads to long-term advantages, and we are positioning ourselves as the first movers. We're paving the way for others to follow, and we firmly believe that this is the future of the industry.

To read full interview, log on to:
www.EquipmentIndia.com



KYB**conmat**

Better Fuel Efficiency Higher Output

JAPANESE
PRECISIONINDIAN
ADVANTAGE**CSLM 2500**

49.5 HP BS-III Engine
ARAI Approved

Salient Features

- ♣ Specially designed blades for better mixing & faster discharge
- ♣ Powered Shovel gate for spillage free charging
- ♣ Loading arms mechanism designed for better pushing force & ease of operation while loading
- ♣ Low centre of gravity
- ♣ Electronic weigh batching system with printer
- ♣ Reversible operator post for better visibility
- ♣ Three way steering systems, ideal for working in confined spaces
- ♣ Live tracking & monitoring system (optional)



Self Loading Mixer

Capacity : 2.5, 2.8, 4.2, 4.3, 4.8 cu.mtr.

Product Range



Stationary Concrete Batching Plant



Mobile Concrete Batching Plant



Stationary Concrete Pump



Canal Paver



Road Paver



Transit Mixer



Self Loading Mixer



Compact Deep Bucket Plant



Tower Batching Plant

KYB-CONMAT PVT. LTD. | 702-703, National Highway No. 8, Por, Vadodara-391243, Gujarat, India



0265-6132900, 3000300



sales@conmatindia.com, info@conmatindia.com



www.conmatindia.com

Follow us on :



“At BKT, we are focusing on sustainable sourcing.”

BKT Tires is one of the leading manufacturers of off-highway tyres, specialising in tyres for agricultural, industrial and OTR vehicles.

Prasanta Ganguly,
Head – OTR Marketing
(Domestic Sales),
Balkrishna Industries,
speaks on the current trends in the CE industry.



What trends are you currently seeing in the construction equipment sector, and how is your company adapting to these trends?

The construction equipment sector is seeing a strong shift towards more sustainable and efficient operations, with a growing demand for equipment that minimises environmental impact while maximising productivity. There's also a rising focus on smart technologies, such as data-driven fleet management, to improve equipment usage and reduce downtime. At BKT, we're aligning with these trends by investing in R&D to develop compounds that will enhance the durability of our tyres and even in manufacturing processes. By focusing on these, we aim to support the construction equipment sector's evolution with high-quality, reliable tyre solutions.

Can you discuss any innovative technologies or products you are showcasing at the exhibition?

At Bauma Conexpo India 2024, we're excited to showcase our advanced range of tyres designed specifically for the construction and industrial sectors, including Earthmax SR31, Airomax AM27, XL Grip Ultra, Maglift, and Liftmax LM81. Each of these tyres addresses unique industry challenges, from durability in extreme conditions to enhanced load-handling capabilities.

The Earthmax SR31 is crafted with an all-steel radial structure for exceptional stability and heat resistance, ideal for large construction machinery facing rugged environments. The

Airomax AM27 is built to support mobile cranes and other high-load applications, offering superior lift and maneuverability, which is crucial in construction sites where precision is the key. XL Grip Ultra is tailored for heavy-duty equipment, featuring a deep tread pattern that ensures maximum traction and control even in soft soil, helping operators handle tough terrains with ease.

In the industrial segment, our Maglift tyre is specifically engineered for forklifts, delivering enhanced durability and stability under heavy loads, which directly addresses the high-performance demands of material handling applications. Lastly, Liftmax LM81 is designed to support aerial lift equipment with high load-bearing capacity and smooth maneuverability, ensuring safety and precision in lifting operations. These innovative tyres underscore BKT's commitment to providing solutions that reduce downtime, boost productivity, and enhance safety across the construction and industrial landscapes.

What challenges do you see facing the industry in the coming years, and how is your company preparing to tackle them?

The construction equipment sector faces several challenges ahead, including fluctuating raw material costs, stricter environmental regulations, and rapid technological advancements. Additionally, the sector must meet the growing demand for resilient products that can perform reliably in diverse and challenging conditions. At BKT, we are proactively preparing for these challenges by



focusing on sustainable sourcing, investing in in-house production of key materials like carbon black, and advancing our R&D efforts to develop robust tyres capable of withstanding these pressures. Our in-house mould plant is a significant asset in this regard, enabling quicker concept-to-market transitions for new tyre sizes and ensuring we stay ahead of market needs. This combination of sustainability, efficiency, and innovation is central to BKT's approach, allowing us to provide reliable, future-ready solutions that empower the construction equipment sector to meet both present and future demands.

With the Indian government now fast-tracking infrastructure projects, the CE sector is expected to get increasingly busy. How do you look at the market for your products in India?

We're very optimistic about the Indian market. The government's focus on infrastructure and the fast-tracking of projects is fuelling demand for reliable, high-performance construction equipment

tyres. This presents a tremendous opportunity for BKT, as our tyre solutions are specifically designed to meet the unique demands of the Indian market. With over 3600 SKU's we are well-positioned to support India's infrastructure push by delivering durable, high-quality tyres that cater to diverse applications. We believe our products will play a key role in enhancing efficiency and productivity across the construction equipment sector.

Please share more information on the investment made in the Indian market in terms of the manufacturing facility, etc.

BKT has made substantial investments in our Indian operations to support market demand and maintain quality control. Our state-of-the-art facility in Bhuj, Gujarat, is a key component of our manufacturing strength, equipped with advanced technology and processes that allow us to produce a diverse range of off-highway tyres. We have also invested in in-house carbon black production, ensuring a steady supply of a critical raw

material while reducing our dependency on external suppliers along with enhancing mould building capacity. This vertical integration allows us to control quality and maintain cost stability, ultimately benefiting our customers with better pricing and product consistency.

How was the year 2024 in terms of performance? What is your company's plan for 2025?

The year 2024 was a dynamic year for BKT, with solid growth in both domestic and international markets. We continued to strengthen our product offerings, expand our presence in strategic sectors, and enhance our commitment to sustainability initiatives. Looking forward to 2025, we plan to focus on further expansion, with an emphasis on creating products tailored for India's unique demands. We will continue investing in R&D, to deliver more durable reliable tyre solutions. Additionally, we aim to deepen our customer engagement efforts and strengthen our distribution network across India to reach more regions and industries effectively.





“The future of foundation engineering looks promising.”

Animesh Nandy, Managing Director, Bauer Equipment India, speaks about the trends witnessed in the construction equipment sector in India.



What trends are you currently seeing in the construction equipment sector, and how is your company adapting to these trends?

Real-time technologies are a pivotal force in the growth of the construction equipment sector, significantly enhancing efficiency and productivity. In foundation engineering, where precision is essential, real-time data enables instant monitoring and adjustments, ensuring the correct alignment in equipment such as piling rigs, trench cutters, and grab systems optimising performance in projects such as airports and metros.

At Bauer Equipment India, we leverage these technologies to optimise performance during major infrastructure projects like airports, metros, and highways. By integrating real-time monitoring systems, our machines minimise operational downtime and ensures that project milestones are achieved with high accuracy.

In addition, these technologies enhance safety by continuously monitoring equipment usage and operator behaviour, enabling timely interventions to reduce risks. The real-time data insights allow us to make informed decisions and optimise resource management.

By adopting these real-time technologies, we are not only driving growth and innovation in the industry but also establishing new benchmarks for efficiency and safety across all our projects.

Can you discuss any innovative technologies or products you are showcasing at the exhibition?

Our competitive advantage stems from the cutting-edge technology embedded in Bauer equipment, especially in our piling rigs, trench cutters, and grab systems. For example, our machines are equipped with intelligent control systems that enable real-time monitoring, precise depth control, and automatic adjustments during operation. This high level of precision is crucial for complex infrastructure projects such as metro tunnels, high-rise foundations, and airport runways.

- **Safety first:** Our Stability Plus assistance system for more flexibility and safety on the construction site – it compares stability-relevant parameters for our drilling rigs in real time, such as outreach, mast inclination or upper carriage slewing speed. This gives machine operators new possibilities to react more flexibly to site conditions without having to compromise on safety. Stability Plus does not support the stability but enables new ranges of outreach while taking stability into account. At the push of a button the operator can select the corresponding stability chart (and with this the optimum outreach) according to the equipment used. If a customer buys new drilling equipment, the new stability file is created, and now it is possible to upload it with remote access onto the rig and have it available immediately.
- **Digital solutions:** Digitalisation has transformed specialist foundation engineering, and we

DISPLAYING
45+
EQUIPMENT

DISCOVER INNOVATION REDEFINED AT BAUMA CONEXPO INDIA 2024



SCHWING
Stetter

SCHWING Stetter (INDIA) Private Limited

Reg. Off : F71/72 SIPCOT Industrial Estate, Irungattukottai, Sripurumbudur,
Kanchipuram District - 602117 Tamil Nadu, India.
Email : enquiry@schwingstetterindia.com | Website : www.schwingstetterindia.com

bauma
CONEXPO INDIA

INDOOR HALL 14
OUTDOOR **E01 | C20**

11TH - 14TH DECEMBER 2024 | INDIA EXPO CENTRE GREATER NOIDA

are advancing technologies like Site 4.0, BIM, data recording, storage, analysis, and APIs. Our software tools, WEB-BGM and Field Data, along with other digital solutions, help users enhance their digital workflows. By partnering with customers, we continuously improve the entire digital site process, from planning to execution and quality documentation. We offer a complete package of equipment, technology, data management, and quality documentation — all from a single source.

- **B-Tronic:** Our B-Tronic user interface for Bauer equipment is flexible, intuitive, and networked. Sensors continuously gather data on speed, pressure, and position, providing real-time insights for optimal equipment use. The high-resolution B-Tronic 5 interface supports rig operators with intuitive controls, and is designed for fully networked jobsite equipment, setting the foundation for next-generation operation.

What challenges do you see facing the industry in the coming years, and how is your company preparing to tackle them?

The Indian market is gradually adopting advanced machinery with growing enthusiasm, particularly in large-scale infrastructure projects like bridges, metro systems, and highways. However, in the foundation equipment segment, inquiry levels remain modest for now, but they are expected to pick up soon.

At Bauer Equipment India, we've witnessed some interest levels from large corporates for our automation offerings on our high-performance piling rigs and trench cutters off late but would like to see more of a drive down from the authorities in form of bonus and penalties to expediate the



revolution in India.

In terms of sustainability, the construction industry is making significant strides toward a greener, more eco-friendly future. The focus is increasingly on reducing embodied carbon, with the goal of reaching net zero. The swift advancement of innovative technologies, materials, and construction methods, along with efforts to lower operational carbon, is expected to boost overall industry efficiency.

With the Indian government now fast-tracking infrastructure projects, the CE sector is expected to get increasingly busy. How do you look at the market for your products in India?

The future of the construction equipment sector, particularly in foundation engineering, looks promising as technology evolves. Innovations in automation, machine learning, and AI will enhance the precision, speed, and longevity of equipment like piling rigs and trench cutters, enabling faster project completions, reducing human intervention, and improving the commercial viability of advanced machinery.

With the Indian infrastructure landscape set to expand through mega projects in metros, airports, and highways, there will be a growing

reliance on technologically advanced machinery to meet tight deadlines and tackle complex site challenges. At Bauer, we anticipate a significant shift toward smarter, more sustainable equipment that not only boosts productivity but also supports the long-term development of robust infrastructure across the country.

Electrification will also play a key role, leading to environmentally-friendly equipment with reduced emissions and operational costs. This transition will better equip us to meet modern construction demands, positioning Bauer as a leader in innovative solutions that align with India's growth and development goals.

However, the sector faces both opportunities and challenges, such as global market uncertainties, environmental sustainability, labour mobility, and skilled labor availability. The surge in demand for data centres, driven by generative artificial intelligence, is expected to reduce reliance on skilled labor and minimise human error. Overall, the construction equipment sector will increasingly focus on automation, electrification, and connectivity, with AI-driven solutions enhancing efficiency and precision while decreasing the need for manual labour.

How was the year 2024 in terms of performance? What is your company's plan for 2025?

Bauer Equipment India is a niche player in the infrastructure equipment domain. The year 2024 has been a year successful year till now and we plan to land up with a YoY growth over last year. The year ahead looks promising with new projects announced and we are also focused on expansion and reach of our operations and activities in India and strategies are in place for a robust growth for the future.





INFRA ENGINEERS INDIA PVT. LTD.
Creating The Future

Our Dual Electric and Diesel Hybrid Excavator

Diesel Engine & an Electrical Power-Driven



To Operate Either on Electric Power or Diesel Engine

With a Simple Switch Over Operation in the Cabin

OUR SPECIAL EXCAVATOR ATTACHMENTS



Demolition Attachments



Powerful Crusher



Concrete Crusher



Powerful Shear



Hydraulic Pulverizer



Heavy-Duty Pulverizer



Loading and Unloading Attachments



Steel/Wood Rock Grab



Orange Peel Grapple



Clamshell Bucket



Non Rotary Orange Peel Grapple



Mechanical Grab



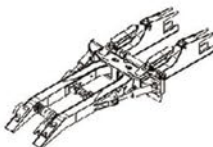
SLOPE VIBRATORY COMPACTOR



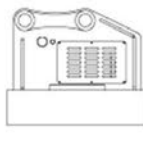
Recycling Scrap Attachments



Hydraulic Shear
(Car Dismantling)



Excavator Clamp Arm



Magnet Lift



Other Attachments



Plate Compactor



Pile Hammer

HIGH NECK/HIGH BED



CORPORATE OFFICE:

No. TS 64, OM SHAKTHY TOWER-2,
SIDCO INDUSTRIAL ESTATE,
EKKATTUTHANGAL, CHENNAI-600032,

+91 44 2225 0079
+91 94441 11111

sales@infralimited.com



Youtube



Instagram



Linkedin



Facebook



Twitter



www.infralimited.com

WORKSHOP:

No 49, Pappankuppam Village,
Gummidipoondi, Thiruvallur District,
TamilNadu-601201.

+91 44 2225 7979

business@infralimited.com



“Our emphasis is on manufacturing machines that are fuel-efficient.”

Action Construction Equipment (ACE) is one of the leading CE manufacturing companies in India and No.1 crane brand with the largest market share in mobile and tower cranes. **Manish Mathur, CEO, ACE,** speaks on the products showcased by the company at bauma Conexpo.

What trends are you currently seeing in the construction equipment sector, and how is your company adapting to these trends?

The construction equipment sector is embracing sustainability, digitalisation, and operational efficiency, driven by environmental goals, rising project complexity, and evolving client expectations. We're seeing a shift toward green machinery that minimises emissions while offering advanced digital features for remote monitoring, predictive maintenance, and fleet management. ACE is responding proactively by integrating these elements across our product lines. Our emphasis is on manufacturing machines that are eco-friendly, fuel-efficient, and equipped with state-of-the-art telematics, ensuring that operators and project managers have access to real-time data for better decision-making. This combination of sustainability and digital innovation empowers our clients to achieve their goals with precision and minimal environmental impact.

Can you discuss any innovative technologies or products you are showcasing at the exhibition?

At Bauma Conexpo, ACE will highlight our latest innovations and higher capacity machines that merge technological sophistication with practical benefits. We're showcasing cranes and material-handling equipment equipped with

advanced telematics, allowing real-time operational insights and diagnostics, which translate to increased safety and reduced downtime.

Additionally, our electric-powered equipment reflects our commitment to sustainable construction practices. These machines maintain high performance while cutting down on emissions. The exhibition will also feature our newly enhanced ergonomic designs, which prioritise better ergonomics for operations, operator comfort and safety, highlighting ACE's dedication to sustainable, user-friendly, and high-performance equipment.

What challenges do you see facing the industry in the coming years, and how is your company preparing to tackle them?

One of the primary challenges ahead is balancing the demand for more sustainable practices with rising costs in materials, fuel, and technology integration. Additionally, with infrastructure projects becoming more complex, there is a greater demand for advanced machinery with digital capabilities that some in the workforce may need training to operate effectively. ACE is addressing these challenges by investing in research and development, creating cost-effective, eco-friendly products with digital features like telematics for enhanced efficiency. We're also expanding training programmes for operators, ensuring they're well-equipped to use our technologically-enhanced equipment with confidence and skill, keeping ACE at the forefront of industry advancements.



PC35MR

THE COMPACT CHAMPION

PROUD TO PERFORM

Meet
the Compact
Champion at
Bauma Conexpo
Greater Noida/ NCR
Dec 11 - 14, 2024
Outdoor Stall
No.O.H30



QUALITY.RELIABILITY.DURABILITY.

Horsepower: 22.0 kW 29.5 HP / 2400 rpm | Operating Weight: 3675 kg | Bucket Capacity: 0.044 - 0.13 M³



PC81
HYDRAULIC EXCAVATOR



PC205
HYDRAULIC EXCAVATOR



PC210
HYDRAULIC EXCAVATOR



PC500
HYDRAULIC EXCAVATOR



D85
CRAWLER DOZER



GD535
MOTOR GRADER

Manufactured by Komatsu, Marketed & Serviced By

L&T Construction & Mining Machinery

Larsen & Toubro Limited
Lakshminarayan Complex, First Floor
10/1, Palace Road, Bengaluru - 560 052
Tel : 080 4040 1700
E-mail: CMB@larsentoubro.com www.Lntcmb.com



Visit our website
www.Lntcmb.com

Are there any upcoming projects or initiatives your company is excited about that you can share with us?

We're particularly excited about expanding our electric machinery line, which reflects our commitment to cleaner and greener construction. This initiative aims to address the industry's growing focus on sustainability without compromising on power and efficiency. Additionally, ACE is reinforcing our after-sales support network across India; ensuring customers have access to prompt maintenance, repairs, and spare parts. We're also piloting a digital platform that will connect our customers with our service team more seamlessly, enhancing support and customer satisfaction. These projects demonstrate our dedication to innovation and our commitment to empowering clients with cutting-edge & reliable equipment solutions.

With the Indian government now fast-tracking infrastructure projects, the CE sector is expected to get increasingly busy. How do you look at the market for your products in India?

The government's accelerated infrastructure initiatives create an unprecedented opportunity for the construction equipment sector. At ACE, we're fully aligned with this growth, as our product offerings in cranes, earthmoving, road construction and material handling equipment are well-suited to the needs of large-scale projects across India. With our manufacturing capabilities and extensive distribution network, we're positioned to provide reliable, high-performance equipment to support critical projects in roads, ports, urban development, and beyond. Our focus on durable, efficient equipment with robust after-sales support means we can contribute significantly to



India's infrastructure aspirations while meeting the sector's evolving demands.

Please share more information on the investment made in the Indian market in terms of the manufacturing facility, etc.

ACE has made strategic investments in our Indian manufacturing facilities, upgrading them to produce top-quality equipment that meets global standards. By incorporating advanced machinery and automation into our production processes, we ensure high efficiency and precision in manufacturing, which translates to better quality and

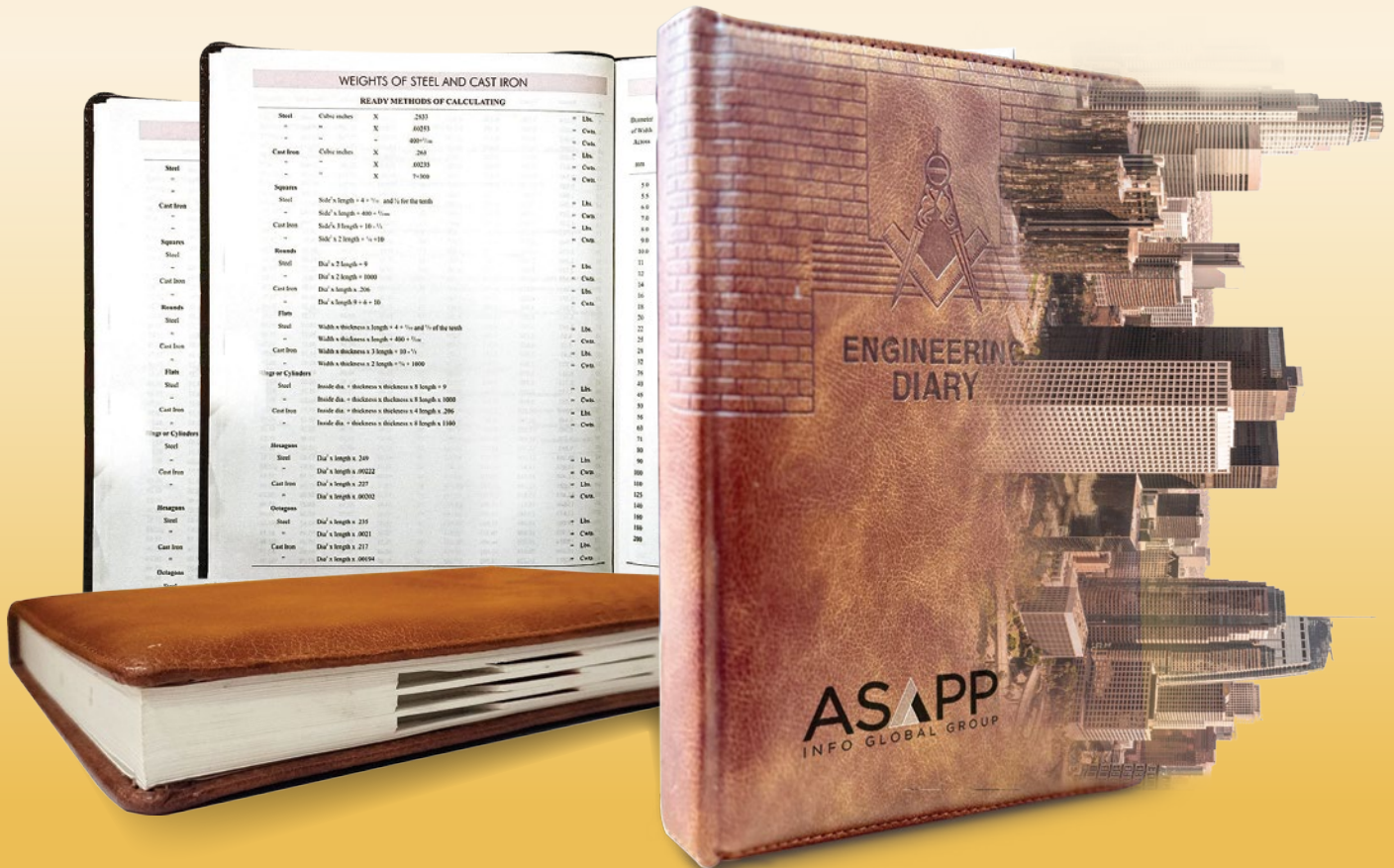
reliability for our clients. Our commitment to the "Make in India" initiative is reflected in our expansion efforts, creating jobs, promoting local skill development, and reinforcing our supply chain within the country. These investments enable ACE to meet growing demand with flexibility and resilience, positioning us as a trusted partner in India's construction and infrastructure development.

How was the year 2024 in terms of performance? What is your company's plan for 2025?

The year 2024 has been a robust year for ACE, marked by steady growth, strong sales figures, and product innovations. We introduced new technologies across our equipment lines, which received positive feedback from clients seeking modern, reliable solutions. Looking ahead to 2025, we aim to build on this momentum by expanding our product lines, focusing on sustainability, and reinforcing our customer support services. Additionally, we are investing in training and development programmes for operators to enhance skill levels across the board. With these initiatives, we're confident in ACE's continued role as a leader in the construction equipment industry, adapting to both technological and market changes in India and beyond.



2025 ENGINEERING DIARY



TABULATED DATA WITHIN

- Conversion Tables
- Weights & Measures
- Unit Conversion Factors & Conversion Power Tables
- Squares, Cubes, SQ. & Cube Roots
- Circumference & Area of Circles
- Non - Ferrous Metals
- Composition of Metals & Alloys
- Wire & Sheet Gauge
- Weight of Steel, Cast Iron, Materials & Mild Steel
- Dead Weight of Materials
- Live Loads on Floors & Roofs
- Rolled Steel Beams- Dimensions & Properties
- Equal & Unequal Dimensions & Properties
- Whitworth Standard Bolts & Nuts
- Square & Round Bars
- Conversion Table for Pipes
- Atomic Weight & Nuclear Cross Section
- Set Screws Hexagon Head
- Technical Information
- Useful Notes on Cement
- Dimensions & Technical

**BOOK YOUR
DIARY NOW!**

Limited Stock Available



To Order

**For Customised Orders
for Your Company,**

**Contact: +91-8108603000
Subscriber@ASAPPinfoGlobal.com**



Revolutionising Motor Grader Industry with Performance

Caterpillar India has won the award as the Bestseller in the “Motor Graders” category in India. The research was conducted by the FIRST Construction Council (FCC), an infrastructure think tank, established in 2003, focused on providing the latest updates on the construction industry in India. The award was presented at the 12th Equipment India Awards 2024, held at Jio Convention Centre, Mumbai, on October 10, 2024.

“We thank Equipment India for recognising our efforts and presenting this prestigious award to Caterpillar. We dedicate this award to our valued customers and extended partners for bestowing confidence on Cat® machines. We will continue to strive to fulfil our commitments and improve customer experience and deliver success”, said **Mukul Dixit, Director – Sales and Marketing, Caterpillar’s Global Construction and Infrastructure Division.**

Caterpillar offers multiple solutions and variety of products to help our customers meet their demands and make them successful. Our wide range of Motor Graders include 120, 120 GC, 140 GC and SEM 915. The new Cat 120 Motor Grader powers through any job with the utmost performance. The new Cat 120 GC and 140 GC Motor Graders combines reliable performance with lower owning and operating costs.

Our all-new next gen Cat Motor Grader is engineered to take the customer satisfaction to a new horizon. Our new Cat Motor Grader consumes less fuel compared to its predecessor, pushing up performance



to a great extent, all the while bringing down the operating cost. The ground-up redesign of the all-new cab ensures enhanced visibility with connecting rear windows, seat options along with the new information display screen. The new filtration technology and the extended maintenance intervals reduce the maintenance cost. The new hydraulic valves provide continuous matching of hydraulic flow and pressure to power demand and ensure precise, predictable, and consistent implement movement.

“Cat technologies give the edge that is needed to improve machine and operator efficiency while working safer”, said Mukul Dixit.

Cat motor graders are equipped with technologies like Cat Product Link™ along with GPS connect, which not only help improve traceability and visibility but also enable the systems

to observe, identify and understand different facets of heavy machinery operation without human intervention and improves the maintenance and operation of machines. Cat Motor Graders are also equipped with AccuGrade™ Grade Control System which enhances grading accuracy and virtually eliminates the need for survey stakes and reduces guesswork and costly rework by moving dirt right the first time, reducing the operating costs.

The revolutionary Caterpillar solution is factory integrated, sensor-independent, and features a suite of products which includes cross slope, sonic, laser, Global Positioning System (GPS), and Automatic Total Station (ATS) technology. Automatic blade control allows operators to improve efficiency and productivity by achieving grade faster and in fewer passes than ever before, reducing the



SHAPING WORLD CLASS INFRASTRUCTURE



CLOSE TO OUR CUSTOMERS

The WIRTGEN GROUP is proud to be a part of many Mega Infrastructure Projects in India. Wirtgen Group technologies and solutions help our customers to shape the world of tomorrow. At Wirtgen Group we continuously develop innovative technologies to ensure our customers are able to optimize costs and complete their projects in eco-friendly sustainable ways.

► www.wirtgen-group.com/india

WIRTGEN INDIA Pvt. Ltd. · Gat no 301 & 302 · Bhandgoan Khor Road · Bhandgoan - Tal-Daund - Pune
412214 · T: +91 20 67682600 · Customer Care Number : 1800-267-2600 · sales.india@wirtgen-group.com

need for traditional survey stakes or grade checkers helping the customers to complete their project way before their timeline.

Stable Blade technology is proactive and senses the blade bounce before you to reduce machine speed until you are on smoother ground. It lessens wear and tear on the blade. Remote Services in Cat Motor grader is a suite of cutting-edge technologies that improve job site efficiency. The two key functions are Remote Troubleshoot and Remote Flash which enables the dealers to run diagnostic testing and update the software remotely. With all these new technologies, our new Cat motor grader offers options to power through any job with the utmost performance and helps the customers to finish the job at the right time with the right grading.

“Our long-standing Cat dealers Gainwell Commosales India and Gmmco and their extensive service network is our strength”, said Mukul Dixit. Our dealers are accessible round the clock and offer an end-to-end solution that includes first-rate after-market support and full spectrum of maintenance services like Condition Monitoring (CM) which provide best-in-class customer experience by fostering repairs before failure and Schedule Oil Sampling (SOS) which provides complete fluid analysis to maintain equipment health.

“Caterpillar offers ‘Aftermarket Performance Customer Value Agreements’ (CVAs), to support hassle-free service to customers at any point in the machine lifecycle to help maximise machine performance and utilisation”, said Mukul Dixit.

This CVA includes dealer technician support using genuine Cat parts for certain planned maintenance and fluid health management to help identify issues before they cause unexpected downtime. The Aftermarket Performance CVA can



Mukul Dixit, Director – Sales and Marketing, Caterpillar's Global Construction and Infrastructure Division.

help customers control costs through component protection, covering the failure of select components, such as hydraulic and fuel injection pumps. Customers can also obtain asset information and support for their equipment via Cat App, Cat Inspect and other digital tools which will help them gain access to information such as machine hours, location, and fuel burn. Helpful machine data and insights are just one click away – available 24/7 from customers' mobile phone. It is an 'all in one' plan to support the machine's health and keep machines running longer with genuine Cat parts, and to make owning equipment easier for Cat customers.


Given the emphasis on strategic economic development, there has been a strong focus on ambitious nationwide initiatives aimed at enhancing infrastructure. This gives us great opportunity in road construction, inland waterway systems, dedicated freight corridors, rail and airport infra in urban and tier two and tier three cities. Projects like the Bharatmala initiative, which aims

to connect 550 districts through national highway linkages and establish 50 new national corridors, are indicative of the extensive infrastructure demand and growth of the equipment industry.

“Caterpillar is dedicated to delivering top-quality products and solutions tailored to the customers' needs. Our R&D efforts are guided by customer demands, and we stand at the forefront of adopting advanced technologies”, said Mukul Dixit.

“Our equipment solutions continue to evolve of how and where our machines will operate in the long term. With this insight, we concentrate on addressing customer challenges by enhancing the intelligence of our machines. Whether the project involves infrastructure, construction, or quarrying, Caterpillar provides a diverse range of products designed for various applications, ensuring higher productivity, adherence to tight project timelines, competitive operational costs, and enhanced safety”, said Mukul Dixit.





**When performance
is crucial
in every operation,
industry leaders
choose Teksons...**

The only volume supplier of Radiators and Heat Exchangers, Oil Coolers and combination sets to major Indian OEM'S and Multinationals.

With an impeccable track record of 6 decades in 'Total Customer Satisfaction' and Teksons' ability to innovate new products for the emerging markets, has placed Teksons in the forefront in customised solutions for cooling system.

Thus Teksons has delivered millions of Radiators and Heat Exchangers in Indian & overseas markets.

Our impressive OEM client list comprises of top-notch manufacturers both Domestic & MNC's in Industrial, Farm Equipments, Earth Moving & Construction Equipments, Automobile and Defence sector.

Our ever evolving in-house manufacturing facilities and unsurpassed quality control standards has catapulted us into the most preferred single source partner with major OEMs.

When you partner Teksons, you can expect nothing but the best – always.



**Aluminium Radiators, Charge Air Coolers, Oil Coolers, Inter Coolers, After Coolers, Combi Coolers, Heat Exchangers
OEM supplier to the best in the industry**



Kapurbawadi, Kolshet Road, Thane-400607, Maharashtra, India
For your requirement contact : +91 22 2540 9351-3
email : sales@teksonsradiators.com • www.teksonsradiators.com





“We will showcase our 125kVA CPCB IV+ genset.”

Cummins India designs, manufactures, and services diesel and alternative fuel engines (2.8 to 95 liters), power generators (up to 3000 kW), and related components. The Cummins team highlights the innovative technologies showcased at the exhibition.

What trends are you currently seeing in the construction equipment sector, and how is your company adapting to these trends?

India's construction equipment sector is experiencing significant growth, driven by government infrastructure initiatives, urbanisation, and advancements in technology. Key trends shaping this evolution include:

- **Infrastructure development:** Government programmes like Bharatmala and Pradhan Mantri Awas Yojana are driving demand for construction equipment through highway expansion and affordable housing projects, creating substantial growth opportunities.
- **Technological integration:** Innovations such as GPS and telematics are enhancing equipment operations by enabling real-time monitoring, optimising fuel consumption, and improving efficiency while reducing costs.
- **Market expansion:** The growing CE market is encouraging OEMs to scale production, focusing on sustainability and environmental compliance to meet rising demands.

Globally, the industry is being transformed through automation, robotics, and sustainability. Autonomous equipment, drones, and IoT technologies are boosting productivity, safety, and efficiency. Environmental concerns are spurring the adoption of electric and hybrid machines, alongside recycling initiatives and equipment-as-a-Service (EaaS) models that offer flexible, cost-effective solutions.

Cummins aligns with these trends by integrating IoT and AI into its products, such as the DATUM range,

offering real-time monitoring, analytics, and smart fuel management. Our focus on predictive maintenance enhances uptime while reducing operating costs. We are also advancing battery-powered solutions and clean energy technologies to support sustainability. Through innovative, efficient, and sustainable solutions, Cummins empowers customers to navigate the evolving construction equipment landscape.

Can you discuss any innovative technologies or products you are showcasing at the exhibition?

At the exhibition, we will showcase our 125kVA CPCB IV+ genset, designed to meet stringent CPCB IV+ compliance standards. These gensets reduce PM and NOx emissions by up to 90 per cent, making them environmentally cleaner while maintaining reliability and performance. Built on the pillars of excellence, innovation, dependability, and 24/7 pan India service support, our gensets cater to the power requirements of diverse applications, including infrastructure, manufacturing, healthcare, residential realty, and hospitality.

Our CPCB IV+ genset range spans from 7.5 kVA to 750 kVA and features in-built telematics for real-time performance monitoring and fault alerts. Supported by our telematics command centre, we ensure seamless real-time support for customers, enhancing operational efficiency and providing peace of mind.

In addition, we are excited to present our various range of Repos DATUM products, battery solutions, power-smart meters, diesel testing kits, diesel exhaust fluid, and



Backhoe Loaders

ACE

ACE INDIA'S NO. 1
CRANE BRAND



Motor Graders



Soil Compactors



Tandem Rollers



Toll Free Service Help Line
1800 1800 004

www.ace-crane.com

Action Construction Equipment Ltd.

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

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



dual-fuel kits. These innovations emphasise efficiency, cost savings, and sustainability. Testing kits ensure fuel quality, safeguarding engine performance and longevity. Our battery solutions highlight the increasing viability of alternative power, offering portability and resilience in remote areas or grid outages.

Power-smart meters provide actionable insights into energy consumption, helping users optimise energy usage and contribute to a sustainable future. Diesel exhaust fluid for CPCB IV+ gensets highlights advancements in emission control, supporting a cleaner environment.

Through these solutions, we aim to enhance operational efficiency, lower costs, and promote sustainability, reinforcing our commitment to innovation and excellence in power solutions.

What challenges do you see facing the industry in the coming years, and how is your company preparing to tackle them?

The construction equipment industry might face challenges in the coming years, and we are proactively preparing to address them.

- **Supply chain disruptions and rising costs:** Geopolitical tensions and global conflicts continue to disrupt supply chains, increasing raw material and energy costs. To mitigate these impacts, we are diversifying our supply chain, strengthening partnerships with local and global suppliers, and investing in predictive analytics for better demand forecasting and inventory management. Additionally, we are exploring avenues for energy-efficient practices and alternative materials to reduce costs sustainably.
- **Digital transformation and smart technologies:** Despite the potential of digital transformation, the industry faces

obstacles like high implementation costs, workforce training needs, and system integration challenges. Our phased approach focuses on scalable, cost-effective technology adoption while investing in employee training to enhance digital skills. Collaborating with technology providers and startups, we co-develop tailored solutions for seamless integration and optimised returns.

Cummins is well-prepared to navigate these challenges. Our Repos DATUM range revolutionises diesel downstream management with smart tanks and pilferage-proof delivery. We're also advancing sustainable technologies such as battery-based solutions and power-smart meters to optimise fuel use and promote cleaner energy. Through investments in AI and IoT, we enable predictive maintenance and real-time monitoring, helping customers enhance efficiency, reduce costs, and prepare for a greener future.

Are there any upcoming projects or initiatives your company is excited about that you can share with us?

Cummins is excited to showcase its latest innovations at bauma Conexpo India. These include the Repos DATUM range of products, portable battery-based solutions, power-smart meters, diesel testing kits, DEF solutions for CPCB IV+ gensets. Our DATUM products take centre stage, transforming the diesel value chain through smart tanks, pilferage-proof systems. Additionally, portable battery solutions demonstrate the viability of alternative power sources, while power-smart meters provide actionable insights for energy management. These initiatives reflect our commitment to driving efficiency, sustainability, and cost-effectiveness for our customers.

With the Indian government now fast-tracking infra projects, the CE sector is expected to get increasingly busy. How do you look at the market for your products in India?

Cummins products are built as fit for market. With the rising demands in the construction industry our gensets have been built to meet variable power loads and different altitudes and temperatures.

These CPCB IV+ compliant gensets meet the most stringent emission norms thus minimising environmental impact. By focusing on advanced combustion technologies, they can improve combustion efficiency, reduce fuel consumption and emissions, and maximise power output. Integrating remote monitoring and predictive maintenance through IoT sensors and smart technologies, such as built-in telematics devices, enables real-time monitoring and automatic fault detection, ensuring continuous operation and significantly reducing downtime.

Finally, integrating eco-friendly manufacturing processes and cleaner production methods can reduce the overall environmental footprint, and promote a more sustainable approach to energy generation. Together, these developments enable manufacturers to address the difficulties of energy demand while encouraging sustainability.

Our offerings, such as the DATUM range of products and battery-based solutions, align with the needs of large-scale infrastructure projects. DATUM transforms the diesel value chain by offering pilferage-proof systems, smart tanks ensuring efficiency and transparency. These solutions, combined with innovations like power-smart meters, enhance efficiency, reduce downtime, and promote sustainability.



To read full interview, log on to: www.EquipmentIndia.com

THE FUTURE OF NATION BUILDING

Partner Association
ICEMA
INDIAN CONSTRUCTION EQUIPMENT MANUFACTURERS ASSOCIATION

Joint Organizer
IFA
INDIAN FARM MACHINERY ASSOCIATION

AEMA
ASSOCIATION OF EQUIPMENT MAINTENANCE

MESSE MÜNCHEN



WHEN GAME-CHANGERS UNITE, THE SYNERGY IS UNMATCHED. UNSTOPPABLE.

Event Partner

VOLVO

Platinum Partners

ACE **HYUNDAI**

Gold Partner

MAX SPARE LIMITED

Silver Partners

UFS
POWER & STEEL PVT. LTD.
AUSTRALIAN AUCTIONEER

JINDAL
STEEL & POWER

Lanyard Partner

Vinnli Chemicals Pvt. Ltd.
Vinagreases LLP

Badge Partner

SANY

Startup Digital Partner

EQUIP

Academia Partner

NICMAR
Public & Infrastructure & Infrastructure & Infrastructure

Tech Pavilion

nasscom

Roadshow Partner

DINGLI
Ground - New Height

Invitation Partner

MACONS
The Concrete Choice

Co-located with

DEM TECH
INDIA 2024
An Okawa

International Trade Fair for Construction Machinery,
Building Material Machines, Mining Machines and Construction Vehicles.

bauma CONEXPO INDIA

11 Dec. - 14 Dec. 2024

India Expo Centre, Greater Noida / Delhi NCR

Supporting Ministry Partner

भारी उद्योग मंत्रालय
MINISTRY OF
HEAVY INDUSTRIES

Electronic Media Partner

NDTV

For More Details:

Violet Rodrigues

Tel : 022 6787 9804

Email : violet@bcindia.co.in



Scan to Register

Innovative Financing Models Fuel Growth

Innovative financing models are transforming the construction equipment sector, driving growth in emerging markets like India, where strategic partnerships and tailored solutions are accelerating infrastructure development.



The construction equipment finance industry plays a crucial role in fostering infrastructure development across emerging markets, particularly in economies like India. As urbanisation accelerates and infrastructure projects expand, the demand for construction equipment is growing at an impressive rate. However, financing the acquisition of such costly machinery presents a unique set of challenges for both construction companies and financing institutions.

In a country like India, where the construction industry is the backbone of economic growth,

financing the right equipment is vital for the timely completion of infrastructure projects. From road building and bridge construction to large-scale industrial ventures, the right equipment accelerates project timelines and enhances efficiency. However, the hefty price tags attached to these machines mean that many construction businesses—especially small and medium-sized enterprises (SMEs)—rely on equipment finance to maintain their competitive edge.

Recently, Action Construction Equipment (ACE) signed a Memorandum of Understanding (MoU) with Bank of Baroda to

facilitate financing solutions for construction equipment businesses. Under this partnership, ACE customers across India will have access to tailored financing options provided by Bank of Baroda. **Manish Handa, Vice President & Business Head – Earthmoving Equipment Division, ACE**, expressed, “We are delighted to sign this MoU with Bank of Baroda. This collaboration will undoubtedly benefit our customers by providing a



Manish Handa
Vice President &
Business Head
– Earthmoving
Equipment
Division, ACE

wider range of financing options nationwide and offer a growth platform for both ACE and Bank of Baroda.”

Similarly, Sany India has entered into an MoU with Union Bank of India and J&K Bank. This strategic partnership aims to foster significant growth and

development opportunities across the country, while providing enhanced financial support to its customers. The collaboration will facilitate easier access to Sany India’s advanced product line, along with readily available financial solutions.

Sanjay Saxena, COO, Sany India, highlighted the importance of Union Bank of India for equipment financing, stating, “The MSME schemes offered by Union Bank of India benefit all profiles of construction equipment customers. This partnership underscores the bank’s strong commitment to funding construction equipment. With Union Bank of India as our preferred financier, customers can conveniently access financing solutions for our earthmoving and construction equipment without exploring alternative options.”

Saxena also mentioned the significant role J&K Bank plays in the region, adding, “With 80 percent of our equipment sales in Jammu and Kashmir financed through J&K Bank, this partnership underscores the bank’s deep penetration and

importance in the region. As J&K Bank becomes our preferred financier, customers can easily access financing solutions for our earthmoving and construction equipment.”

JCB India has partnered with Federal Bank to offer greater financing options to customers purchasing JCB machines in both urban and rural India. **Deepak Shetty, MD and CEO of JCB India,** commented, “This partnership will provide more financing options for our customers, enabling easier access to our equipment.”

Additionally, NBFC Manappuram Finance has also teamed up with JCB India to finance the ITS range of equipment and engineering products.

Karnataka Bank has entered into an MoU with JCB India to enhance lending avenues under the bank’s MSME portfolio. Under this partnership, JCB will nominate Karnataka Bank as its finance partner, allowing individuals, contractors, companies, partnership firms, LLPs, etc., to avail loans at competitive interest rates for purchasing a wide range of world-class equipment from JCB India’s product line.

Mahindra’s Construction Equipment Division (MCE) recently signed an MoU with Bank of Maharashtra to offer tailored

financing solutions for its construction equipment division. This collaboration will provide unique financial assistance for purchasing Mahindra’s current and upcoming BSV range of construction equipment, offering some of the best interest rates and loan tenures.

The partnership is designed to provide hassle-free, adequate credit for the purchase of equipment such as RoadMaster (motor graders), EarthMaster (backhoe loaders), and an extensive range of attachments. These products are expected to set high standards in their categories and contribute to accelerating infrastructure growth through cutting-edge features and adherence to industry best practices.

In another significant development, IndusInd Bank and the Japan Bank for International Cooperation (JBIC) have signed a \$100 million long-term loan agreement to foster the growth of Japanese construction equipment companies in India. The credit facilities will be extended to upstream and downstream companies, co-financed by Mizuho Bank, Japan; Shizuoka Bank, Singapore; and Joyo Bank, Japan. The initiative will initially cover component suppliers, dealers of select Japanese OEMs, and final buyers of their construction machinery.

Srei Infrastructure Finance (SIFL) recently appointed Hardayal Prasad as its new Managing Director and CEO. The company has also received an investment interest of Rs 2,000



Sanjay Saxena
COO, Sany India



Deepak Shetty
MD and CEO of
JCB India





As urbanisation accelerates and infrastructure projects expand, the demand for construction equipment is growing at an impressive rate.

crore from a US-based Arena Investors LP (Arena)-led consortium. Previously, Srei Infrastructure had received a Rs 2,200 crore investment proposal from Singapore-based Makara Capital Partners Pte Ltd.

The strategic coordination committee has received a term sheet from Arena Investors LP and its consortium, indicating interest in an investment of Rs 2,000 crore, subject to terms and conditions outlined in the agreement, as reported in a regulatory filing by SIFL's parent company, Srei Infrastructure.

Shriram Finance, India's leading retail non-banking financial company (NBFC), is also expecting robust growth in the construction and farm equipment sectors in the second quarter of this financial year. This growth is attributed to rising government infrastructure spending and favorable monsoon conditions, according to a company executive. Shriram Finance has also projected a

15 per cent growth in assets under management (AUM) for the current fiscal year.

Umesh Revankar, Executive Vice Chairman,

Shriram Finance, stated, "We're seeing increased demand for construction vehicles, which is expected to accelerate as India's infrastructure spending continues to rise. We anticipate greater activity in this category after the monsoon. With favorable monsoon conditions, we also expect an increase in demand for farm equipment. We are closely monitoring this, and I believe the construction and farm equipment sectors will see faster growth in the second quarter."

The Road Ahead

The construction equipment



Umesh Revankar
Executive Vice
Chairman,
Shriram Finance

finance market stands at the crossroads of tremendous opportunity and complex challenges. With government infrastructure pushes, favorable weather conditions, and the digital transformation of financing models, the sector is poised for significant growth. However, sustaining this growth will require both financial institutions and construction firms to navigate challenges like capital intensity, fluctuating demand, and non-performing assets (NPAs).

By leveraging digital technology, introducing flexible financing models, and incorporating risk management strategies, stakeholders can pave the way for a more resilient and sustainable construction equipment finance market. With focus on innovation and strategic growth, this sector can continue to drive infrastructure development and economic growth across emerging markets like India.





Decline in Italian CE Market

Italy's 2024 construction machinery market drops 13 per cent, with road machines seeing modest growth.

In the first nine months of 2024, 14,403 construction machines have been placed on the Italian market, with a decrease of 13 per cent if compared to the same period of 2023. In more details, 13,753 earthmoving machines (-14 per cent) and 650 road machines (+15 per cent) were sold. Market figures, based upon the sales of manufacturing and import companies, have been released by Unacea on the occasion of Ecomondo inauguration, the trade fair focused on the ecological transition and new models of circular and regenerative economy.

"2023 was a challenging year for our sector," said Gianluca Calì, Marketing Director of Cgt - due to the reduction of Industry 4.0 incentives and the prolonged anticipation, later

not satisfied, of Transition 5.0, which created market uncertainty and slowdowns. The unblocking of the SEZs (Special Economic Zones) for Southern Italy has led to signs of recovery, with a three-percentage-point increase every quarter in 2024."

"The demand for road machines has seen a boom in recent years, thanks to tax incentives that have driven the renewal of obsolete construction equipment," said Michele Spinelli, CEO of Wirtgen Macchine. Today, we are witnessing market saturation, with a decline in cold planers balanced by the stability of finishers and a strong growth in rollers, particularly medium-small ones. The sector is moving towards more compact machines, with a faster renewal cycle than in the past."

"The global equipment market,



which had reached extraordinarily high and unsustainable levels in the long term between 2022 and 2023, saw a decline in 2024," said Michele Vitulano, President, Unacea. In Italy, the construction equipment market remains somewhat stable thanks to the push from infrastructure projects. Despite strong housing demand, in Europe, rising interest rates are weighing on investments and making credit access difficult.

According to the latest Unacea-Cer foreign trade report, international trade is decreasing: exports, between January and July 2024, stabilised at Euro 2 billion, with a slight decrease of 3 per cent compared to the same period of 2023. Imports, on the other hand, dropped by 10 per cent, settling at Euro 1.2 billion. The trade balance remains positive at almost Euro 765 million, with an 11 per cent increase compared to the previous year.

UNA CHA ITALIAN MARKET (JAN - SEP 2024)

	Jan - Sep 2023	Jan - Sep 2024	Per cent
Dozer	40	54	35%
Crawler excavators	3002	2599	-13%
Wheeled excavators	270	209	-23%
Wheel loaders	1159	908	-22%
AWS backhoe loaders	64	141	120%
Rigid backhoe loaders	61	40	-34%
Miniexcavators	9239	7670	-17%
Skid steer loaders	975	1016	4%
Track loaders	1065	1055	-1%
Articulated dumpers	59	61	3%
Tot. Earth moving machines	15.934	13.753	-14%
Rollers	369	457	24%
Cold planers	63	49	-22%
Finishers	135	144	7%
Tot. Road machines	567	650	15%
Construction equipment	16.501	14.403	-13%

India's Road Expansion Fuels Surge in CE Demand

Fueled by rising government spending, rapid urbanisation, technological innovations, and the 'Make in India' initiative, the future of the construction equipment industry is promising, brimming with potential and opportunities.



India's road network has expanded by 59 per cent over the past decade, making it the second largest globally. National highway construction has grown at a compound annual growth rate (CAGR) of 9.3 per cent between FY16 and FY24. The government's continued emphasis on infrastructure development has also led to robust demand for construction equipment (CE). In FY24, the sector experienced a notable 26 per cent growth compared to the previous year.

Ranjan Sharma, Senior Director

– **Large Corporate Ratings, CareEdge Ratings**, states, "There has been a significant focus of the Union government on infrastructure development in the country, which has resulted in nearly all segments like roads, ports, and bridges performing well. Looking at the performance of the top 18 to 20 listed EPC companies, their order books have been growing consistently year on year. The pace of road construction in



Ranjan Sharma
Senior Director
– Large Corporate
Ratings, CareEdge
Ratings

India in FY24 was one of the highest (i.e., 34 km per day, compared to 28 km per day in the previous year), as a large number of projects were awarded in the preceding two years. In FY24, the CE industry, which plays a pivotal role in infrastructure development, grew by 25 per cent (in terms of units sold), led by earthmoving, material handling, and road CE."

However, in the current fiscal year

(the first five months), there has been a slowdown in project awards. Experts now expect the road construction pace to moderate in FY25 to about 31 km per day, down from 34 km per day. Even so, this speed remains among the fastest in the world in the road construction segment.

Explaining the key drivers behind the CE industry, **Sandeep Singh**,



Sandeep Singh
Managing
Director, Tata
Hitachi
Construction
Machinery

Managing Director, Tata Hitachi Construction Machinery, says, "Road construction, mining, housing, and the Har Ghar Jal Yojana are the main growth

drivers. However, this year, heavy rains and elections led to stagnation in growth. Mining is also growing, having been privatised. Overall, we expect an average growth rate of 10 to 15 per cent over the next five years."

Today, India's unfolding growth story is drawing attention from around the world. Bolstered by strong automotive sales, the Indian auto component industry is aiming to increase its value from \$20 billion to \$100 billion over the next six years. Similarly, the Indian Construction Equipment Manufacturers' Association (ICEMA) has set an ambitious target of \$25 billion by 2030, up from its current \$9.5 billion, for the Indian CE industry.

According to **Vipin Sondhi**, **Chairman, RAHSTA Expo Committee**, CE manufacturers in India should focus on a seven-point agenda to build a stronger industry. He says, "The industry should aim higher (think global and build big brands), obsess over total



Vipin Sondhi
Chairman,
RAHSTA Expo
Committee

"In FY24, the CE industry, which plays a pivotal role in infra development, grew by 25 per cent, led by earthmoving, material handling, and road CE."

quality, scale production, invest in R&D and innovations, strengthen the domestic supply chain, adopt Industry 4.0 and digitalisation, and invest in talent to propel the industry forward."

India currently spends 0.5 per cent of its GDP on R&D, whereas developed countries typically allocate 2.5 per cent of their GDP to it. To maintain market dominance and strengthen exports, CE makers will need to focus more on innovation. Attracting young talent is also crucial for the continued growth of CE manufacturing. Sondhi adds, "If the younger generation understands that technology is the driving force in manufacturing, they will be attracted to the sector."

Global CE manufacturers are leveraging their domestic arms not only to serve India but also to tap into global markets. ICEMA has set a target of \$3 billion in CE exports by 2030; a goal that seems achievable, considering India exported \$0.5 billion in CE in FY24. **Dimitrov Krishnan**, **Managing Director, Volvo CE India**, shares, "Exports have doubled in the last two years. This growth is happening in both CE and the components market, particularly in the fabrication industry. I believe



Dimitrov Krishnan
Managing
Director, Volvo CE
India

this trend is entirely positive. India is the third-largest CE market globally, and is set to become the second-largest, which will undoubtedly attract the scale necessary for construction equipment. The global CE market stands at 1.2 million machines across all product types, presenting a huge export opportunity. More than 30 countries are already receiving machines from India today."

As environmental concerns continue to rise, CE manufacturers are also preparing to help construction companies minimise their carbon footprint. Sustainability efforts will be further supported by the implementation of Stage 5 emission standards for construction equipment vehicles (CEVs) in India, which will take effect on January 1, 2025. **Shalabh Chaturvedi**, **Managing Director for India and SAARC, CASE Construction Equipment**, comments, "The Indian CE industry is moving toward some of the world's strictest emission norms (Stage 5). To meet these upcoming standards, the supply chain must also adapt. Many CE OEMs are extending sustainability targets to their suppliers as well."



Shalabh Chaturvedi
Managing
Director for India
and SAARC, CASE
Construction
Equipment

Aiding sustainability



Sanjay Koul
President - India
and SE Asia, and
Managing
Director - India,
The Timken
Company

As emission standards become more stringent, construction equipment will require high-quality components to meet these new requirements. **Sanjay Koul**,



President - India and SE Asia, and Managing Director – India, The Timken Company, opines, “To manufacture CE that promotes savings and sustainability, component suppliers will have to play a crucial role.”

Discussing trends, Koul adds, “The shift from conventional (fossil) fuels to alternative fuels is inevitable, requiring changes in CE design, components, and materials. For example, the bearing industry is already working on alternative materials to meet the emerging needs of CE manufacturers. Smart batteries, smart hydraulic systems – all of these innovations will come. We need to keep an eye on developments in advanced countries and catch up accordingly.”

Rising income levels are driving the demand for better infrastructure, which is expected to maintain the strong demand for CE. As CE manufacturers expand their



Sitaram Ganeshan
President, Wipro Hydraulics

Sitaram Ganeshan, President, Wipro Hydraulics, shares an optimistic outlook for the CE manufacturing industry: “We can become the second-largest CE manufacturer globally. We are also excelling in the components manufacturing sector, with 60 per cent of our business coming from outside India.”

The growing emphasis on higher quality standards is driving greater mechanisation, especially in larger projects, which is further propelling the industry’s growth. **SP Rajan, Vice President and Head of Plant & Machinery at L&T Construction,** states, “CE manufacturers must be

production footprint in India, they are also looking to increase sourcing of components and machinery for CE production from domestic suppliers.

fully prepared to meet future requirements. I would like to see more use of biofuels in the near future. For electric equipment, we should develop systems that don’t require charging. Companies should create self-charging technologies, like solar batteries, where heat is converted into energy. We should also focus on improving the ease of operation for operators.”

The construction equipment industry is poised for substantial growth in the coming years, driven by increased government spending, rapid urbanisation, technological advancements, and the ‘Make in India’ initiative. As the CE sector continues to evolve, the road ahead is filled with promising prospects, laying a strong foundation for a more prosperous and better India. 🚧



SP Rajan
Sr VP and Head, L&T Construction

C.A.S.H

C.A.S.H

• Components • Accessories • Spares • Hardware

Rolling Strong

Undercarriage parts are the unsung heroes of heavy machinery, enduring tough conditions and ensuring smooth operation.

Scan to read ▶



Rolling Strong

Undercarriage parts are the unsung heroes of heavy machinery, enduring tough conditions and ensuring smooth operation.



The undercarriage is a series of components assembled into a complex mechanism to support and move a construction machine. In heavy machinery, wheeled and tracked undercarriages are responsible for: Moving the heavy equipment around different types of uneven terrain, providing a stable platform to lift and carry objects, distributing the machine's weight evenly so it doesn't sink into soft ground, and protecting the heavy equipment from harsh conditions to keep it operating safely and efficiently.

Without undercarriage, there

won't be excavators, wheel loaders, or compact track loaders. And without heavy machinery, the construction industry won't be able to function because they perform various tasks humans can't, improving safety and increasing efficiency.

The lifespan of an excavator undercarriage depends on various factors, including the quality of the components, the type of terrain the equipment operates on, and the usage and maintenance practices. On average, undercarriage components such as track chains, rollers, and idlers can last between 2,000 to 7,000 hours of operation. However, this lifespan

can vary significantly based on the aforementioned factors. For instance, heavy-duty usage in harsh terrains with rocky or abrasive surfaces can result in faster wear and require more frequent replacements. On the other hand, proper usage, regular maintenance, and using high-quality OEM-recommended components can extend the lifespan of the undercarriage.

Recent track technology and undercarriage technology innovations provide operators with more safety and comfort and extend equipment life and efficiency. These latest developments also help overcome

longstanding challenges in the industry, such as operating sensors in harsh environments. Tread designs and rubber compounding define recent trends, leading to longer-lasting, smoother running tracks, said **Mike Giordano, Yokohama TWS segment Sales Manager, Rubber Tracks.**

While the goal to integrate into an onboard notification system on a dozer can be accomplished, the challenge is in the environment in which the components with sensors are operating, noted **Tim Hansen, CASE undercarriage product marketing manager.** Extreme conditions—sand, abrasive, and hard rock applications—wreak havoc on sensors for sustainability and dependability, he said. With CASE TrackCare, end users plan maintenance activities, monitor performance and make decisions to

5 THINGS TO LOOK FOR WHEN INSPECTING AN UNDERCARRIAGE

Regular inspection of the undercarriage is crucial to identify any potential issues. This allows for them to be addressed before they turn into major problems. Here are some tips on what to look for when inspecting an undercarriage:

1. **Track shoe wear:** Check for any signs of excessive wear, such as uneven wear patterns, cracks, or missing track shoes. These can affect the machine's stability and performance.
2. **Track chain tension:** Ensure that the track chains are properly tensioned. Loose or overly tight chains can cause premature wear and damage to the undercarriage components.
3. **Roller and idler condition:** Inspect the rollers and idlers for any signs of damage. This means cracks, dents, or missing parts, as they play a crucial role in supporting the weight of the equipment.
4. **Sprocket condition:** Check the sprockets for any signs of wear, such as worn-out teeth or misalignment. They are responsible for propelling the machine and need to be in good condition.
5. **Track adjuster function:** Ensure that the track adjusters are functioning properly. They are responsible for maintaining the tension in the track chains and ensuring proper alignment.



help manage undercarriage performance and costs.

The CASE TrackCare monitoring programme is designed as a cloud-based system, a mobile app and Ultra Sonic tool for collecting undercarriage measurements and observations in the field for CASE machines and all makes.

Undercarriage improvements are enhancing durability, efficiency, and overall performance. They often involve the use of high-quality, wear-resistant materials designed to withstand harsh conditions and abrasive materials. Undercarriage configuration varies significantly based on material application and type.

Contractors should balance undercarriage wear across all components to get maximum undercarriage life before required maintenance. Deere's dozer design process focuses on suitably distributing weight to properly balance the machine and distribute it more evenly to reduce component stress, premature wear, and failure. Deere constantly monitors machines in various regions to determine how different material types impact undercarriage wear.

Deere recently updated its small dozer 450, 550, and 650 P-Tier models to boost productivity and operator comfort while lowering operating costs. New to its technology stack is EZ Grade, in-base on machines with electro-hydraulic controls. It monitors the machine's altitude, automatically making blade corrections to maintain a smooth grade. EZ Grade is upgradeable to Slope Control technology, which automatically controls the blade to a desired slope. Machines can be upgraded to full 3D SmartGrade when available.

Updated joysticks in Deere's mid-size dozer lineup are designed for improved ergonomics, incorporating



The undercarriage of heavy equipment plays a critical role in the performance, stability, and longevity of the machines.

proportional blade angle controls, and reducing arm movement for reduced operator fatigue.

The CASE dozer line has a smooth, one-piece track frame featuring greater structural strength and allowing for easier cleanout, noted Hansen. With CASE Ultra Life, a wet rotating pin and bushing-style chain is designed to provide a quieter and smoother ride and offers a service life of 5,000 hours or more. Increases in width of the track rollers, carrier rollers and the idler on all CASE dozer undercarriages improve structural integrity, reduce wear, and achieve greater balance, said Hansen.

The Max Life track is believed to extend track life by as much as 15 percent under the right conditions and applications, Hansen said. Since undercarriages make up more than 50 percent of a dozer's maintenance costs, CASE has designed undercarriages to make maintenance easier, including easy-to-reach critical pivot shaft grease points and equalizer beam joints. In addition to CASE's standard sealed and lubricated heavy duty tracks, Ultra Life and Max Life extended life options, CASE offers three different track options for each M Series dozer model.

Italtactor ITM Spa (ITM) and

DOZCO India announced the creation of a joint venture company called ITM DOZCO. The intention of this joint initiative is to create the leading manufacturer of undercarriage components in India to optimise service to local and global customers. The company will offer a full range of undercarriage components and complete track systems for earthmoving machines. The joint venture will cover the Indian market needs as well as requirements for global customers across all industries. This agreement follows years of successful cooperation between ITM and DOZCO.

The undercarriage of heavy equipment plays a critical role in the performance, stability, and longevity of the machines. Regular inspection, proper usage, and maintenance are essential to detect and resolve issues early on, prevent costly repairs, and ensure optimal performance. The use of high-quality OEM-recommended maintenance products can further enhance the lifespan and performance of the undercarriage. By investing in proper undercarriage maintenance, heavy equipment owners can maximise the productivity and efficiency of their machines, ultimately leading to better ROI.



**ELBA CPS 70
STATIONARY CONCRETE PUMP**



Precision Concrete Delivery with AMMANN ELBA Concrete Pumps

PUMPING UNIT

The pump has two powerful differential and pumping cylinders. The prodigious combined capacity and performance of these cylinder systems ensures a high output. Our pumps are designed to offer you maximum output with minimum number of strokes to increase the life of the cylinders.

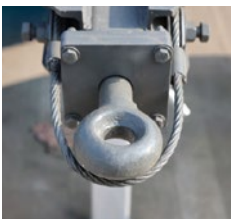
RELIABLE AND LONGLIFE

- Reliable ELBA German Engineering
- Less number of strokes for long life
- Higher Capacity jack
- Foot rest for hopper
- Gas springs and locks for canopy
- Shifting cylinder cover for better safety
- Grill provided for engine front cover
- Efficient splash guard design

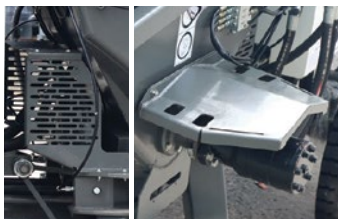
APPLICATIONS

- Real Estate
- Metro Projects
- Bridges
- Dams
- Power Plants
- Railways
- Domestic Airports

TOW HOOK



STURDY & SAFE GUARD



FOOT REST



SOLID AXLE WITH LEAF SPRING



Ammann India Private Ltd., Block No. 157, AT - Ditasan, Post - Jagudan, State Highway,
Ditasan, Mehsana, Gujarat, PIN Code: 384460
Toll Free Number: 1800 258 2233, info.ain@ammann.com
For additional product information and services please visit : www.ammann.com
© Ammann Group

AMMANN
ELBA

Visit us at **bauma CONEXPO INDIA** Outdoor Stall OC - 10

Critical Role of Lubrication in Mining

Mobilgrease XHP™ 462 Moly is indispensable for applications where heavy loads and extreme pressure are common.

India's mining industry is an immensely potent market from a global perspective. The country is a leading producer of zinc, lime, and aluminium, and the second-largest producer of crude steel. Recent regulatory changes, such as the Ministry of Mines' efforts to lower barriers to mining leases, are set to stimulate the industry further. With steel demand projected to grow by 10 per cent due to infrastructure developments, India aims to achieve a production capacity of 300 million tonnes of crude steel and a total demand/production of 255 MTPA by 2030-31.

In the high-stakes world of mining, where equipment faces relentless conditions and unyielding workloads, lubrication is the unsung hero ensuring smooth and efficient performance. The industry's needs are constantly evolving, driven by all the latest breakthroughs in technology and increasing operational demands. Mobil™ recognises these changes and responds with solutions that are not only effective but also adaptable to various challenges faced by the sector. They are designed to perform in high-temperature environments, resist water contamination, and offer long-lasting protection against rust and corrosion.

Benefits of Mobilgrease XHP™ 462 Moly*



4 per cent increase in productivity



3X increase in greasing interval



3X reduction in maintenance cost due to lower grease consumption and activity



Save up to Rs 17.5 lakh annually



Transforming challenges into triumphs

A prominent manufacturer of m-sand, gravel, and dust, was experiencing frequent equipment failures and excessive grease consumption. By adopting Mobil™'s advanced lubrication solutions, they witnessed a 67 per cent drop in grease consumption, reporting potential savings of Rs 9,80,000. This story highlights the transformative power of right

lubrication and strategic management, leading to significant cost savings and operational excellence.

The m-sand manufacturer was facing substantial challenges with its pin bush applications. Their previous choice of Extreme Pressure 2 (EP2) grease was inadequate for their demanding work conditions, leading to excessive grease consumption and frequent equipment failures. Transitioning to Mobilgrease

XHP™ 462 Moly proved to be a game-changer. This lubricant, fortified with molybdenum disulfide, is designed for heavy-loaded equipment, offering exceptional extreme pressure and anti-wear capabilities.

This reduction wasn't solely due to the superior properties of the Mobilgrease XHP™ 462 Moly, but was part of a comprehensive overhaul in their lubrication strategy. Improved and sophisticated practices like rigorous monitoring, thermal imaging, and a stricter re-greasing schedule contributed to decreased mechanical torque, lower environmental waste, and improved safety by minimising human-machine interactions.

Know more about Mobil™ offerings:

Mobilgrease XHP™ 460 series, renowned for its lithium-complex technology is a poster child of adaptability. With operating temperatures reaching up to 140°C, these greases are ideally suited for the mining industry, where equipment is exposed to harsh conditions. Mobilgrease XHP™ 462 Moly, in particular, is indispensable for applications where heavy loads and extreme pressure are common.

Mobil™ Lubricant Analysis (MLA) and IIOT services

To further support mining operations, Mobil™ offers cutting-edge services like the Mobil™ Lubricant Analysis (MLA) programme and IIOT services

- **Mobil™ Lubricant Analysis (MLA) programme:** Experience 66 per cent faster* oil sampling: This service provides an in-depth analysis of lubricant condition and equipment health, allowing for predictive maintenance. By identifying potential issues

Mobil™ delivers more than lubricants; it provides solutions.

before they become severe, the MLA programme helps extend the life of equipment and reduce unexpected downtime, leading to cost savings and better operational efficiency.

- **Mobil IIOT insights:** Get instant alerts and actionable insights on oil maintenance: Mobil IIoT Insights is our next-gen oil condition monitoring tool that offers instant, remote access to comprehensive oil diagnostics. This advanced system delivers real-time data on oil health and immediately alerts you to any issues, empowering you to take swift action and achieve substantial cost savings.

A sneak peek into Mobil™'s recently launched 'Fill with Mobil™' Campaign

Mobil™ recently launched 'Fill with Mobil™' campaign, which is all about their expertise and commitment to the mining industry. This campaign highlights Mobil™'s dedication to delivering high-quality solutions through specialised knowledge and collaborative efforts. It reflects the company's role as a trusted partner in the mining sector, reinforcing its mission to boost operational efficiency and profitability.

The M-Sand manufacturer's experience with Mobilgrease XHP™ 462 Moly illustrates how strategic lubrication choices can significantly impact operational success. By embracing advanced lubrication solutions and comprehensive management strategies, mining operations can optimise

performance, reduce costs, and enhance safety.

Lubrication, as history has shown, isn't just about keeping machinery running—it can be the difference between success and failure. From the steam engines of the industrial revolution to the mining operations of today, the right lubricant has the power to change the game. Mobil™ goes beyond merely supplying lubricants; it provides tailored solutions that can cut costs, improve safety, and ensure machinery runs at peak efficiency.

In an industry where downtime translates to lost revenue, optimising equipment with the right lubrication strategy is essential. Mobil™'s solutions offer the mining sector the tools needed to stay competitive in a fast-evolving global market, while also protecting valuable assets.



** This performance is based on the experience of a single customer. Actual results may vary.*

(Exxon Mobil Corporation has numerous affiliates, many with names that include ExxonMobil, Exxon, Esso, and Mobil. For convenience and simplicity, those terms, and references to "corporation," "company," "ExxonMobil," "EM," and other similar terms are used for convenience and may refer to one or more specific affiliates or affiliate groups.)

For more information, visit www.mobil.in/business



ABOUT THE AUTHOR:

The article is authored by Sumit Rana – General Manager, Market Deployment, ExxonMobil Lubricants.

“ELGi sees growth in vacuum technology market.”

Rakesh Rao spoke to Dr Jairam Varadaraj, Managing Director, and Anvar Jay Varadaraj, Chief Operating Officer, Elgi Equipments, to know more about the company's future plans and industry trends.

How do you read the performance of Elgi Equipments in Q2 FY25?

Dr Jairam Varadaraj (JV): Our performance in the second quarter of FY25 was good as we have had growth in both top line as well as bottom line. India business has been firing for us with good domestic and exports demand. That is reflected in the result. Only in North America growth was not on expected lines, which we believe will witness a turnaround very soon. Our foundations are pretty strong and we are looking at long term growth.

Anvar Jay Varadaraj (AJV): Operationally, the core businesses – industrial and distribution businesses – have shown strong performance. The infrastructure

portable compressor business is basically following the natural market cycle. Considering these factors, our performance in North America was good and we expect it to improve further in the coming months. Overall, I would say Q2 FY25 was a good quarter.

As one of the leading global players in the compressor technologies, what kinds of growth opportunities are you exploring?

AJV: We see a lot of opportunities in India for our core products as the country is witnessing strong domestic growth. In the US and Europe, because of our low market penetration at present, we see a big opportunity to grow. In terms of business expansion plans for the future, we are looking at allied compressor adjacency products for which we can use our current channel partners to tap existing customer segments. In line with this strategy, we recently announced our foray into vacuum systems – a technology that we know very well and also the end-user industries (that are similar to our existing customers). Our ability to come out with compelling value propositions to our customers is quite strong. In the compressed air space, there are areas like piping, dryers, air oil separators, etc., which require the same channels and are used by the same customers. In the near future (three to seven years), there are lots of opportunities for us to grow in this compressor adjacency product segments.

JV: Growth will come from geographical expansion of existing products and increasing our range of



Dr Jairam
Varadaraj

Anvar Jay
Varadaraj

product offerings by getting into adjacent verticals like, vacuum. This in itself presents a potential market of \$25 billion to explore business possibilities.

In February 2024, you joined hands with DVP Vacuum Technology S.p.A., Italy. What was the rationale behind foray into the vacuum pumps market?

JV: As per our estimate, the market opportunity for vacuum pumps is about \$3 billion globally, while in India it would be roughly around \$300 million. Our first goal is to learn the business. The vacuum technology is not rocket science; compressors are a lot more sophisticated than vacuum. But there are nuances in terms of applications of vacuum technology, customer use cases, etc. To understand these nuances on our own would have been a long learning curve. Our partnership with DVP vacuum technology is to compress this learning curve while focusing, initially, on India, where we have a strong distribution network to serve customer's needs quickly.

Phase one is to learn the business through opportunities in India using existing technologies. Parallelly, we will invest in developing new technologies in the area of vacuum. We may also partner with DVP to explore other markets, in addition to India, in the future.

What is the status of your Conquer K-2 (CK2) goal - inspired from the world's second tallest mountain (K2)?

JV: Our CK2 mission, which is our long-term growth strategy, is to be amongst the top three compressed air brands in the world by 2035-36. While we are on track towards it so far, heavy lifting will happen in the next four to six years that is when the growth curve has to

go up. Besides our core compressor business, we need to incubate a lot of new opportunities, like vacuums, to be able to hit those numbers. We are also building a new team of people to help us reach the goal.

What are the advantages of having an integrated manufacturing facility?

JV: In our industry, 80 per cent of the global market is in the premium segment, while the discount segment accounts for the remaining 20 per cent. If you have to really grow, then you have to be a part of the premium segment. You cannot design, develop and manufacture products for this premium segment without investing in a good manufacturing facility. Through right manufacturing practices and processes, we look at ways to reduce our manufacturing cost; thus offering high-quality products at a right price to our customers in the premium segment.

This (integrated manufacturing facility) provides us an edge over our competitors in terms of offering products that are not just cost-effective but also top-class in quality and performance.

What are key challenges business owners are facing at present?

JV: Business owners across the world have to be watchful about how multiple factors such as rising geopolitical tensions, trade wars, increasing protectionism in countries across the world, etc. will impact global trade. Our goal is to be country-agnostic, which means to build capabilities – i.e. systems, people, processes, etc. – that can help us overcome uncertainty and volatility in the global market and still be profitable. We are focussed on our long-term plan and we will continue to make investments to achieve our stated long-term goals.

What is the contribution of exports to your business? How do you see the US and Europe markets?

JV: The overseas business contributes about 50 per cent to ELGi's turnover, which we expect to increase further as we grow our business in other countries. General sentiment on the business side is positive in the US. Europe has hit the bottom and it is only going to go up from here. If the Russia-Ukraine war ends, then Europe will be the biggest beneficiary propelling its growth further.

What are your growth plans for the company in the next few years?

AJV: Part of current manufacturing activity will move into a new production facility, which will also increase our manufacturing capability. Our capacity expansion will be in line with our growth plans for the next five to seven years.

JV: We will remain focused on our core business that has the potential market of \$25 billion to tap into. Within this core area, there are lots of adjacent opportunities that we will seriously pursue. So far, we have focused on the technology of compressors. But increasingly we are looking to expand our bandwidth. For example, we have launched our own designed and manufactured dryers, which took us about two to three years to develop. Similarly, there are many adjacencies in the entire compressor space that we will more aggressively pursue.

Then, we will foray into larger adjacencies, like vacuum, where currently we are not present. The next three years would witness moderate growth (which is similar to the rate in the past), but after three years we expect to see high-growth as some of these new adjacency businesses increase their market share.





Shaping the Future of Sustainable Mining

IMME 2024, held in Kolkata, showcased cutting-edge mining technologies and fostered global collaboration, highlighting sustainability, innovation, and India's growing role as a key player in the global mining industry.



The 17th edition of the International Mining and Machinery Exhibition (IMME) 2024, held from October 23 to 26 at the Science City Exhibition Ground in Kolkata, was a resounding success. Organised by the Confederation of Indian Industry (CII), the event brought together stakeholders from across the global mining industry, showcasing cutting-edge technologies, machinery, and equipment. With Australia as the partner country and the Government of Odisha as the partner state, IMME

2024 highlighted the growing significance of the mining sector in India's industrial landscape.

IMME, since its inception in 1984, has been India's premier trade fair for the mining industry. Over the years, it has grown into the largest and most influential mining exhibition in the country. The 2024 edition lived up to this reputation, attracting more than 400 exhibitors and over 10,000 business visitors from across the world. These included global giants from mining powerhouses such as Australia, Canada, Germany, Poland,

the UK, Russia, and Indonesia.

The exhibition presented a vast array of mining machinery, equipment, and technology solutions, addressing the diverse needs of the mining sector. Key highlights included innovations in automation, robotics, artificial intelligence, and smart green mining technologies. The event served as a critical platform for networking, business collaborations, and technology transfers. As India continues to strengthen its position as the world's third-largest coal producer, with substantial



IC with its highly diversified range of products plays an important role right from the stage of mining and beneficiation.

contributions in areas like mica, chromite, iron ore, and steel, IMME 2024 became an essential meeting point for both domestic and international players.

Focus on Sustainability and Collaboration

Coinciding with IMME 2024, the Global Mining Summit (GMS) was held from October 23-24. The summit focused on fostering international collaboration, advancing technological innovation, and ensuring sustainable practices in the mining industry. The event

featured eminent speakers, including industry leaders, government representatives, and policy makers, who discussed a broad range of issues critical to the sector.

One of the key themes at GMS was the future of sustainable mining, with a focus on balancing productivity with environmental stewardship. **Ujjwal Tah, Director General, Directorate General of Mines Safety**, addressed



Ujjwal Tah
Director General,
Directorate
General of Mines
Safety

the pressing issue of mineral depletion and called for the conservation of resources. He highlighted the need for increased research and development in deep-sea mining and stressed the importance of larger mining companies supporting smaller players in adopting sustainable practices.

Another significant topic at the summit was the growing collaboration

between India and Australia, particularly in the mining of critical minerals. **Denise Eaton, Trade and Investment Commissioner for Green Economy at Austrade**, emphasised the importance of



Denise Eaton
Trade and
Investment
Commissioner for
Green Economy at
Austrade

a holistic approach to the green economy. She urged the mining industry to strike a balance between productivity, safety, and environmental sustainability, echoing the growing global sentiment toward responsible mining.

Shantanu Roy, Chairman





BKT Tires displayed their wide range of tyres for the mining equipment industry.

and Managing Director, BEML, underscored the need for the mining sector to adopt smart green mining technologies. He discussed how

automation could help optimise mining operations while minimising environmental impact. Roy also lauded the success of initiatives like PM Gati Shakti and the National Infrastructure Pipeline (NIP), and called for further investment in research and development (R&D) for electric mining vehicles, a key step toward greener operations.

Focus on West Bengal's mining potential

West Bengal, home to the event, also played a pivotal role in the discussions. **Moloy Ghatak, Minister of Law and Justice for the Government of West Bengal,**



Shantanu Roy
Chairman and Managing Director, BEML

highlighted the state's robust mining potential. He announced the approval of the mining plan for the Gourangdih ABC Coal Mine in East Burdwan district, which is set to tap into an extractable coal deposit of approximately 62 million tonnes. He also spoke about the ambitious Deocha-Pachami-Dewanganj-Harinsingha coal mine project in Birbhum district, which, upon completion, would become the world's second-largest coal mine.

Ghatak assured the gathering that the state government was committed to ensuring that mining operations are environmentally sustainable, scientifically sound, and socially responsible. This commitment aligns with the growing focus on sustainability in the sector, reinforcing the



Moloy Ghatak
Minister of Law and Justice for the Government of West Bengal

need for responsible resource management.

Creating an investor-friendly ecosystem

The issue of creating an investor-friendly ecosystem in the mining sector was another key discussion point. **Arun Misra, Chairman of CII National Committee on Mining and CEO, Hindustan Zinc,** spoke about the role of the mining sector in contributing to India's economic



Arun Misra
Chairman of CII National Committee on Mining and CEO, Hindustan Zinc

aspirations while nurturing environmental sustainability. He emphasised the importance of creating a regulatory environment that encourages private investments and facilitates the development of critical infrastructure. Misra's comments reflected the growing recognition of the mining industry as



Maco is a provider of industrial products, technologically advanced engineering equipment and customised solutions.

a vital component of India's industrial future, with the potential to drive significant economic growth.

The event was organised in association with the Ministry of Mines and the Ministry of Steel, with the support of the Government of West Bengal's Mineral Development Corporation. The Government of Odisha showcased its commitment to enhancing the mining sector's growth through favourable policies and infrastructure development.

The central government's support was evident in the presence of various stakeholders from regulatory bodies, including the Directorate General of Mines Safety (DGMS), and the Mining Ministry's officials, who discussed key policy reforms. The discussions centred on India's push to enhance mineral exploration, streamline the regulatory process, and introduce measures that would accelerate the growth of the mining sector.

India's ambition to emerge as

a global leader in the production of critical minerals, such as lithium, cobalt, and nickel, was also evident during the event. The mining industry's role in achieving India's goal of becoming a self-reliant manufacturing hub, particularly in the context of the rapidly expanding electric vehicle (EV) market, was a recurring theme throughout the event.

IMME 2024 was a landmark event in the history of India's mining sector, underscoring the country's growing importance as a global mining hub. The event highlighted the industry's shift toward smarter, greener, and more sustainable mining practices, while also emphasising the need for increased collaboration and technology transfer. As India's mining sector continues to evolve, events like IMME 2024 will play a critical role in shaping its future, ensuring that the country remains at the forefront of innovation and sustainability in the global mining industry.



Ingersoll Rand India appoints S. Khanduja as MD

Ingersoll Rand has announced a strategic executive leadership role enhancement aimed at strengthening the company's capabilities and advancing its growth strategy. This leadership change is expected to fortify Ingersoll Rand's mission to create value for employees, customers, and communities across India.

The company's Board of Directors has appointed Sunil Khanduja as the Managing Director for Ingersoll Rand (India), for a five-year term from November 12, 2024, to November 11, 2029. He will be leading complete Compression Systems & Services

business in India.

Prior to this, he served as the Business Head for one of the key verticals in Ingersoll Rand India and also managed Ingersoll Rand EMEA (Europe, Middle East, India, and Africa) Operations as Director of multiple global manufacturing locations and warehouses. In these roles, he significantly contributed to business growth, supply chain and operational excellence.

His strategic vision, ownership mindset, and unwavering focus on



delivering results align with organisational goals to make life better for our customers and employees while maximising shareholder value.

Commenting on his appointment, Khanduja said, "Our 'in the region, for the region' approach is closely aligned with global Ingersoll Rand's strategy. By focusing on local innovation and customer needs, we aim to drive growth in India while contributing to our broader organisational goals."

BKT Tires to showcase cutting-edge OTR solutions at Bauma ConExpo India

BKT Tires, a global player in the off-highway tyre industry, is all set to make a powerful presence at Bauma ConExpo India 2024, held at the India Expo Centre, Greater Noida, from December 11, to 14, 2024. As one of the most prominent players in the sector, BKT will showcase its extensive product portfolio under the banner of "Bharat Ka Tire"—a brand promise that reflects products "Built in Bharat; Built for Bharat and Building Bharat." This collection features cutting-edge tire solutions tailored to meet the diverse demands of India's industrial and



construction sectors.

BKT's display will feature a curated selection of high-performance tyres specifically engineered to meet the diverse demands of India's industrial, and construction sectors.

JK Tyre is India's first tyre company to join RE100

JK Tyre & Industries has reaffirmed its commitment towards sustainability by joining RE100 and using 100 per cent renewable electricity by 2050. JK Tyre is the first Indian tyre manufacturer and 16th Indian business to join RE100. To stay on course, the company has set a midterm goal to reduce its greenhouse gas emission intensity by 50 per cent compared to the base FY2019. JK Tyre aims to drive sustainable practices within the sector, paving the way towards a carbon-neutral future.

LAPP India appoints Sumit Mitra as MD to spearhead growth

LAPP India, a leading provider of cable and connectivity solutions, has appointed Sumit Mitra as Managing Director, effective November 1, 2024. With a robust legacy of over three decades in the industrial sector, Mitra's leadership is



set to accelerate LAPP India's growth and expand its market footprint. Based in Bengaluru, Mitra will report to CEO of LAPP Asia Pacific.

Bringing a wealth of experience from high-impact roles, including his recent tenure at SKF Group, Mitra is credited for driving operational

excellence and market growth in both Indian enterprises and Multinational corporations. His strategic acumen and commitment to talent development makes him an invaluable addition to LAPP's leadership team.

In his new role, he will focus on transforming LAPP India into a leading player in cable and connectivity solutions.

DICV appoints Michael Moebius as President

Daimler India Commercial Vehicles (DICV), a wholly owned subsidiary of Daimler Truck AG, announced the appointment of Michael Moebius as the President and Chief Procurement and Supply Chain Officer, effective November 1, 2024. Michael will succeed Muthu Maruthachalam C in this role, bringing with him over 30 years of global experience across the passenger and commercial vehicle industry. Michael was the Head of Quality Management at Daimler Truck Asia (DTA) in Japan, where he led quality initiatives for Mitsubishi Fuso, DICV, PABCO and key CKD assembly locations globally. During his tenure, he has been instrumental in enhancing product quality and driving innovative initiatives such as 'Proactive Sensing', an advanced big data solution for early failure detection.

Socomec appoints Devender Singh Manhas as Head of Commercial Supply Chain

Socomec has appointed Devender Singh Manhas as Head - Commercial Supply Chain for the Greater India market, effective immediately. Devender is an experienced operations management professional with a diverse background across all facets of supply chain management, from demand forecasting to deliveries with experience in diverse industries.

Congratulating Devender on his new position, Meenu Singhal, Regional Managing Director, Socomec Greater India, said, "We are pleased to welcome Devender to our team. He has a proven track record in supply chain, logistics, procurement, global sourcing and manufacturing. We are confident that his addition to the team will bring in tangible difference to our



outcomes. I wish him all the best at Socomec and look forward to his contribution towards increased business growth, profitability and customer satisfaction."

Devender holds a master's in commerce from Meerut University and a

master's in business administration (MBA) from Vinayaka Missions University. He has achieved notable success in driving multiple projects such as SAP implementation, transformation of high-performing organisation, customer centricity and Single Point of Contact (SPOC) projects in India and Japan. With Devender's appointment, Socomec reaffirms its commitment to investing in top talent and strengthening its expert position in the power management field.

Bridgestone to invest \$85 mn in enhancing premium tyre production in India

Bridgestone India (BSID), a subsidiary of Bridgestone Corporation (Bridgestone), announced a strategic growth investment to expand capacity and capability in India. The investment will be directed to the Bridgestone Pune Plant and the Indore Plant to reinforce the company's premium-mass strategy. The collective investment will be approximately \$85 million with expansion scheduled to start from the beginning of 2025.

These efforts are expected to increase total production capacity at the Pune plant by approximately 1.1 million tyres annually by 2029. They will also improve capability to ensure premium tyre production at the Indore plant. Additionally, BSID will establish a satellite technology centre at its Pune plant in 2025 to produce "Dan-Totsu products". These products will be customised optimally for the Indian



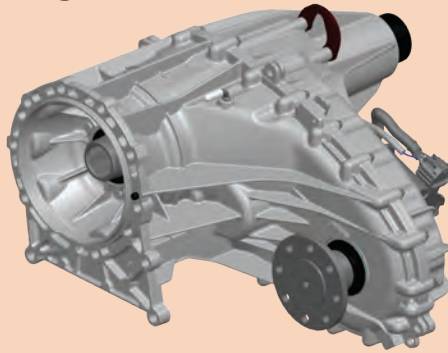
market with "ENLITEN" technology. This new satellite technology centre will reinforce and accelerate the technology development capability of the company's entire engineering chain from material planning to product research / design and manufacturing for the Indian market.

Bridgestone considers the Indian market to be a growth opportunity for the premium passenger tyre business. Recent trends in the market have produced an outlook of stable economic development and growth in

the number of automotive both owned and produced. BSID aims to enhance its presence in the Indian market and further solidify our position as the market leader by reinforcing and expanding "Dan-Totsu products" equipped with "ENLITEN" technology as the "new premium". The company additionally sees the growing demand as a tailwind for the premium tyre category, including the demand for High Rim Diameter (HRD) tyres and all the other categories over the mid-long term.

BorgWarner extends transfer case business with North American OEM

BorgWarner is furthering its business with a major North American OEM by securing extensions on two transfer case contracts for upcoming vehicle launches with new platform requirements. BorgWarner will supply two types of transfer cases, including its active Electro-Mechanical On-Demand 2-Speed (EMOD) and a part-time Electric Shift-on-the-Fly 2-Speed (ESOF) transfer case. Two of the OEM's combustion and hybrid passenger truck platforms will be equipped with the EMOD and ESOF, while an additional passenger truck will receive the ESOF. Start of production for two of the platforms is slated for 2027, with the third expected to begin in 2028. The EMOD is a high-performance active transfer case that



offers faster response, improved torque accuracy, and pre-emptive torque management that enhances the overall safety and stability of the vehicle. The heart of the EMOD is a motor driven clutch-apply system that allows for active modulation of torque distribution between the front and rear wheels based on a variety of continuously monitored vehicle

parameters. While used in several others of the OEM's platforms, this is the first time the EMOD transfer case has been adopted for this particular passenger truck platform. Specifically designed to handle the requirements of a part-time four-wheel drive system in a heavy-duty truck, the ESOF transfer case offers a highly efficient two-wheel drive mode in conjunction with the ability to lock the vehicle into four-wheel drive while in motion. It performs these functions while delivering superior noise, vibration and harshness engineering and design to deliver superior performance. The quick and smooth-shifting ESOF technology has a proven track record, reaching its third vehicle evolution for the passenger truck platform.

Bonfiglioli invests ₹320 cr in India expansion

Bonfiglioli Transmissions, the Indian subsidiary of Bonfiglioli Group, celebrated a significant milestone with the foundation stone laying ceremony for its new industry and automation facility in Cheyyar, Tamil Nadu, and the inauguration of its technology and innovation hub in Chennai.

The 25-acre Cheyyar plant, scheduled to commence operations by 2025, reinforces Bonfiglioli's commitment to the 'Make in India' initiative and solidifies its position as one of India's largest gearbox manufacturers. The facility will feature state-of-the-art machinery, create 150-200 job opportunities, and cater to growing domestic demand for heavy-duty industrial gearboxes. Bonfiglioli's latest investment is a strategic continuation of its previous year's investment in Pune, expanding its manufacturing capabilities for light and



medium duty industrial gear boxes.

Bonfiglioli's new global competence centre, The Bonfiglioli Technology Space in Chennai, represents another milestone in the global Bonfiglioli innovation ecosystem, housing 180 engineers with diverse expertise. This facility will focus on R&D and technical support, integrating advanced technologies to create breakthrough solutions. The centre will also house testing laboratories that could be used to simulate real field working conditions.

Sonia Bonfiglioli, Chairwoman, Bonfiglioli S.p.A., stated, "With a targeted turnover of ₹1,900 crore by year-end, Bonfiglioli is poised for another significant growth in India."

ABB highlights electrification and automation with new tagline

ABB introduces new brand positioning "We help industries outrun – leaner and cleaner" underpinning the next phase of the company's development as a leader in automation and electrification. It articulates what ABB wants to be known for in the minds of its customers.

The new brand positioning centres around the word "Outrun" and its meaning consists of two parts: Keeping ABB's partners running consistently at high performance and at the same time helping them constantly run more productively and efficiently so they can outperform. "Leaner" stands for ABB's global leadership role in automation, improving the productivity and efficiency of every industry's critical day-to-day operation.



The Hybrid Shift



Infra Engineers India Pvt Ltd (IEPL) specialises in multi-brand used construction and mining equipment, as well as a diverse array of specialised attachments. IEPL offers a broad spectrum of machinery, ranging from 2 to 200 tonne, and continually strives to meet the evolving demands of the industry. In this spirit, we are pleased to introduce the “**Dual Electric and Diesel Hybrid Excavator**”.

It features dual power options – diesel mode and electric mode:

- **Diesel mode:** Ideal for areas without electricity or where mobility is needed.
- **Electric mode:** Perfect for locations with available power.

Working methodology: The excavator is equipped with an electric motor and a diesel engine, allowing operators to seamlessly switch between electric and diesel power at the push of a button from the cabin. This design provides exceptional flexibility, enabling adaptation to varying site requirements with ease.

Cost savings: Operating in electric mode can significantly reduce operating costs, with

electricity expenses amounting to only 25 per cent of diesel costs.

For a 20-tonne excavator:

- **Diesel usage:** Consumes 12 to 15 litres per hour, costing around ₹1,500 per hour.
- **Electricity:** Costs just ₹375 to ₹400 per hour.

Over 400 hours of operation in a month:

- **Diesel cost:** ₹6,00,000
- **Electricity cost:** ₹1,50,000

This translates to substantial monthly savings of ₹450,000 to ₹500,000, in addition to lower maintenance requirements, as there's no need for engine oil changes or filter replacements.

Investment: For diesel operation, there is a need for daily investment in fuel, whereas in electric mode, electricity costs are incurred only on a monthly basis.

Key benefits of electric excavators include: lower operating costs, increased productivity, reduced maintenance, zero emissions, lower noise levels and improved operator comfort.

Applications of Hybrid Excavators

- **Urban construction:** Perfect for

city projects with strict emission standards and noise restrictions.

- **Mining and quarrying:** Efficient for heavy-duty excavation, reducing fuel costs.
- **Indoor work:** Ideal for enclosed spaces like tunnels and demolition sites, where zero emissions improve air quality.
- **Long-term projects:** For projects lasting months or years, hybrid machines offer huge fuel savings and no emissions over time.

Future of Dual Electric and Diesel Hybrid Excavator

Diesel excavators continue to be popular for heavy-duty tasks and remote projects, while electric excavators are rapidly becoming the preferred choice for urban and regulated areas due to their lower operating costs and zero emissions. IEPL has introduced a dual-powered solution, combining the advantages of both modes in a single machine. In the long term, this innovative product is expected to meet strong market demand and deliver substantial value.

Communication from the management of the company

Revolutionising the Indian Construction Industry

The construction and infrastructure sector serves as the backbone of India's economic development, encompassing vast projects in residential, commercial, and industrial spaces. From towering skyscrapers to sprawling highways, this industry demands materials and technologies that ensure durability, safety, and efficiency. One critical innovation reshaping construction practices is the use of rebar couplers for reinforcement splicing.

In a historic achievement, SNTP Technologies has emerged as a trailblazer by receiving India's first ISI mark license for rebar couplers under BIS certification. This milestone, awarded by the Bureau of Indian Standards (BIS), marks a significant turning point in the Indian infrastructure domain, setting new benchmarks for quality and standardisation.

A decade-long milestone in the making

The Indian Standard IS 16172 for reinforcement couplers was introduced ten years ago to ensure that these critical components met stringent safety and performance criteria. Despite its establishment, no company was able to secure the coveted BIS certification or ISI mark license for manufacturing rebars couplers until 2024. SNTP Technologies broke this impasse, establishing itself as the first company in India to achieve this feat, cementing its reputation as an industry leader.

The BIS certification reflects SNTP's commitment to adhering to high-quality manufacturing standards. The SNTP ISI mark rebar couplers undergo rigorous



testing, including slip tests, low fatigue tests, 100-cycle tests, thread disengagement tests, and high-fatigue tests over two million cycles, ensuring superior performance.

Product and service offerings

SNTP Technologies specialises in a range of reinforcement couplers, including SNTP P-bar couplers, SNTP R-B couplers, bolted couplers, HD anchors, crimp-IT couplers, T-bar couplers, and the recently introduced electroplated rebar couplers. These couplers cater to diverse applications in infrastructure, from bridges and highways to metro and rail projects.

The Indian market's growing inclination toward rebar couplers stems from their ability to reduce wastage, enhance structural integrity, and simplify construction workflows. SNTP's products are in high demand due to their compliance with IS 16172 standards and proven performance in challenging environments.

Cutting-edge innovations

SNTP Technologies integrates state-of-the-art technology in its manufacturing processes. Its couplers are engineered to withstand extreme fatigue loads, exceeding two million cycles, ensuring durability and longevity.

The company's focus on innovation has resulted in designs that meet both domestic and international standards, placing it ahead of its competitors.

SNTP Technologies has established a robust marketing base across India, serving infrastructure projects of national importance. Its pan India presence and proven manufacturing capacity of two million couplers annually have solidified its position as a trusted partner for developers, contractors, and government agencies.

The prestigious BIS award, presented by Padma Shri Bharti Shivaji and Chand Sharma, MLA, underlines SNTP's relentless pursuit of excellence. This achievement is a testament to the company's innovative spirit and commitment to raising the standards of the Indian construction industry.

In conclusion, SNTP Technologies is not just a pioneer in rebar couplers but a beacon of quality and innovation in the Indian construction landscape. With its ground-breaking achievements and steadfast commitment to excellence, SNTP is poised to shape the future of infrastructure in India.

Communication from the management of the company

Cat's New 903 Compact Wheel Loader

Caterpillar's new 903 compact wheel loader gets a 17 per cent boost in power over its predecessor, the 903D, thanks to its Cat C1.7 engine. The engine on the 9,200-pound CWL delivers 48 gross horsepower. The 903D runs on a 42-horsepower C2.4. The power boost improves pushing and grading performance and enables simultaneous use of drive, steer and lift functions, the company says.

Caterpillar says it designed the cab for "all-day comfort" with an easier-to-adjust seat, more legroom, easy entry and exit, and ergonomic pedal position.

A multifunction joystick provides fingertip control of the standard third-function hydraulic system. The system delivers 14.5 gallons per minute of max flow versus the 903D's



14 gallons per minute, according to Caterpillar. The increased hydraulic power enables such attachments as power box rakes and grapple buckets, Cat says.

For additional attachment performance, customers can swap out the standard mechanical coupler for the optional hydraulic skid steer loader coupler designed for quick attachment changes. Cat also offers

an optional work-tool electrical harness for running additional attachments, and engine and ground-speed control for operating brooms and similar tools.

The all new C1.7 engine provides better all-around performance. Features such as engine and ground speed control, provides customisable control when running hydromechanical work tools.

Vögele's New Super 2100-5i Paver

Wirtgen North America gathered 1,200 customers, dealers, executives and members of the media in Antioch, Tennessee, to show off its latest tech and demo new machines. On display was the Vögele Super 2100-5i tracked paver, newly available in North America this year. Boasting new operator ergonomics and faster setup times, it features a liquid-cooled 6-cylinder diesel engine, a nominal output of 250 horsepower and 106-gallon tank.

These units can pave up to 82 feet per minute at a max width of 31 feet 11 inches, lay down up to 1,210 tonnes per hour and have a hopper capacity of 15.4 tonnes. With an AB 600 TP2 Plus screed, the 2100-5i is at its heaviest at 54,680 pounds and its longest at 22.5 feet.

Brodie Hutchins, vice president of sales at Vögele North America,

describes it as a specialty machine, primarily used for base roller-compacted concrete, cement-treated base, soil, cement and even thick-lift asphalt. The unit can put down layers up to 16 inches.

One key difference with the 2100-5i from a traditional North American paver, says Hutchins, is its compacting ability. Since the machine is designed for very thick lifts and different types of base material, contractors will be working with a tamping device on the front of the screed plate and pressure bars on the back, creating smoothness and density.

"With a machine like this, the benefit of it is behind the screed, you're at a much, much higher percentage of density than you are



with a traditional machine," says Hutchins. "It not only gives you more precision, especially with a thicker lift and drier material, but you get fewer passes with the roller.

With the SUPER 2100-5i tracked paver, VÖGELE is taking two steps into the future at once: new operator ergonomics, more automated processes and faster setup times, together with reduced noise and exhaust emissions.

Avant Launches Low-Cost Compact Loader

Avant Tecno has launched its 855i articulated compact wheel loader in North America, which boasts the same lifting power and height as its largest, most powerful model but at a lower cost. The 855i is a single-speed loader and is designed for those who want the power and performance but don't need the faster, two-speed configuration of the company's flagship 860i. Top travel speed on the 855i is 9.3 mph, half the max 18.6 mph of the 860i.

Avant says the 855i is ideal for construction, landscaping and farming "where heavy loads are moved and transitions from one place to another are not long."

The 855i runs on a 56-horsepower Kohler KDI diesel engine, the same as the 860i, but it



gets a new, simpler Poclain MSE05 single-speed drive motor, which the company says reduces its cost.

Most everything else on the 855i is the same as on the 860i. The only other differences: The 855i weighs 110 pounds less and has 410 pound-force less in pulling force.

The 855i has a lift capacity of 4,190 pounds, and its telescopic boom gives it a max lift height of 11 feet 5.8 inches. The height enables it to load a truck from one side to the far edge, rather than having to drive around the truck, Avant says.

CMC's 65L Compact, Tracked Aerial Lift

CMC North America has unveiled a new compact, tracked aerial lift for working outdoors and indoors at heights of over 65 feet. The company says the CMC 65L can replace a scissor lift, bucket truck or boom lift, while reducing overall cost and storage space.

The lift is narrow enough to pass through an opening 36 feet wide and has a platform load capacity of 507 pounds for holding two workers. It has a lateral reach of 34 feet. The work platform has available 90-degree rotation, and the lift's turret has 180-degree rotation.

The CMC 65L also features self-leveling for working on sloped surfaces up to 10.5 degrees and runs on a Honda gas engine. It can be towed with a pickup truck and



trailer. Track width can be adjusted hydraulically.

The lift weighs 6,569 pounds, enabling it to work on delicate floors like hardwood, tile or

marble. It has low ground pressure for reducing damage to landscaping, concrete and ground surfaces, the company says.

Hyundai Launches its Second Dozer, the HD130

Hyundai Construction Equipment has expanded its dozer line with the new 157-horsepower, 15-metric-tonne HD130. Two configurations of the model are available: a 33,730-pound LGP model with a low ground pressure of 4.98 psi or a 31,907-pound XL version with a ground pressure of 6.16 psi. Both configurations have an 8-foot, 11-inch track.

The HD130 joins the 122-horsepower, 10-metric-tonne HD100, which was released in July. Hyundai's dozer lineup mirrors that of sister company Develon, with Develon marketing its models under the DD100 and DD130 nomenclature. The companies operate separately as subsidiaries under the Hyundai

Genuine holding company.

The new Hyundai HD130 dozer gives our customers the choice of a heavier-duty model that delivers higher productivity for larger jobs," said Dale McLemore, director of sales, HD Hyundai Construction Equipment North America.

The HD130 dozer is powered by a 4-cylinder Perkins 1204J engine that meets Tier 4 Final emissions standards. A hydrostatic transmission provides "smooth control of speed and torque while

enhancing ease of operation," Hyundai says. Its maximum travel speed is 5.6 miles per hour.

For optimal visibility to the blade, the dozer is designed with the in-line precleaner inside the hood, the radiator and hydraulic oil cooler in the rear and a downward sloping narrow front.



Volvo Next-Gen EC300, EC400 Demolition Excavators

Volvo Construction Equipment has rolled out two new straight-boom excavators designed for demolition, a redesigned 30-metric-tonne EC300 and the all-new 40-metric-tonne EC400.

The EC300 replaces the EC300E Straight Boom, while the EC400 will replace the EC380E Straight Boom. The new models are another addition to the biggest redesign of Volvo's large excavators in 20 years. Volvo says the EC400 Straight Boom will be available for order this month, and the EC300 Straight Boom available for order in March.

The two new straight-boom demolition excavators get 30 per cent higher reach than standard excavators designed for digging, the company says. Though they are geared toward demolition tasks, Volvo says, their



longer booms make them versatile enough for other functions like digging, cleaning up a site and loading trucks, including high-sided haulers. They also get a heavier counterweight that can be detached with a hydraulic removal feature. Fuel efficiency is increased by 14 per cent for both

models, and the EC400 Straight Boom gets a 10 per cent boost in horsepower over the EC380E.

The updated machines offer a height advantage with an increase in reach of approximately 30 per cent over standard digging-based models.



COMPACTORS



1 | Naya Raipur Development Authority

Details: Tenders are invited for supply of refuse compactor (q3).

Submission date: 31 December 2024

Location: Naya Raipur, Chhattisgarh

Contact: Sub Engineer, Municipal Corporation Durg Head Office, Naya Raipur Development Authority, Durg, Chhattisgarh

2 | West Bengal Power Development Corporation

Details: Tenders are invited for supply, installation and commissioning of water spray system at conveyor belt 1A, 1B, 1C, 1D, 2A1, 2B1, 2A, 2B, 2C, 2D, 3A, 3B, 3C and 3D at KTPS under CAPEX 24-25.

Submission date: 13 December 2024

Location: Purba Medinipur, West Bengal

Tender value (Rs): 12,375,000

Contact: General Manager (KTPS), Mecheda, Purba Medinipur-721137, West Bengal. M: 06292247883, tk.pakhira@wbpdcl.co.in

3 | Madhya Pradesh Power Generation Company

Details: Tenders are invited for procurement of Jayshree make coal conveyor protection devices installed at CHP-IV, STPS, Sarni.

Submission date: 25 November 2024 **Location:** Sarni, Madhya Pradesh

Tender value (Rs): 900,000

Contact: Chief Engineer(Gen.), Satpura Thermal Power Station, Sarni, Madhya Pradesh

4 | Indian Army

Details: Tenders are invited for Supply of horizontal conveyor belt.

Submission date: 22 November 2024 **Location:** Kanpur, Uttar Pradesh

Contact: Department of Military Affairs, Kanpur, Uttar Pradesh

5 | The West Bengal Power Development Corporation

Details: Tenders are invited for procurement of 400 KW, 4 Pole, 6.6 KV conveyor motor under CHP-EM dept. through CAPEX 2024-25.

Submission date: 22 November 2024

Location: Birbhum, West Bengal

Contact: General Manager, Bakreswar Thermal Power Station, P.O. - BkTPP, District - Birbhum-731104, West Bengal. M: 09874629327, p.roy01@wbpdcl.co.in

CRANES



6 | Central Railway

Details: Tenders are invited for supply of diesel hydraulic road mobile crane capacity 11 tonne diesel hydraulic road mobile crane capacity 11 tonne (as per specification) make:- ace / omega /standard hmc [warranty period: 24 months after the date of delivery].

Submission date: 26 November 2024

Location: Manmad, Maharashtra

Contact: Principal Chief Materials Manager, Mumbai, Maharashtra

7 | Northern Railway

Details: Tenders are invited for supply of road mobile crane capacity 10 tonne.

Submission date: 02 December 2024

Location: Lucknow, Uttar Pradesh

Contact: Dy. Chief Material Manager, Lucknow Alambagh (AMV) Railway Station, Lucknow, Uttar Pradesh

8 | Eastern Railway

Details: Tenders are invited for supply of supply, installation and commissioning of EOT crane, capacity 25 tonne, etc.

Submission date: 16 December 2024

Location: Kolkata, West Bengal

Contact: Principal Chief Materials Manager, Kolkata, West Bengal

9 | Indian Army

Details: Tenders are invited for supply of pick carry hydraulic mobile crane as per IS 4573 (new generation crane with front mounted cabin) (q2).

Submission date: 22 November 2024

Location: Darjeeling, West Bengal

Contact: GOC-in-C, Headquarters Eastern Command, Darjeeling, West Bengal

10 | Northeast Frontier Railway

Details: Tenders are invited for supply of supply, erection, installation, testing and commissioning of 3 ton pillar mounted jib crane.

Submission date: 09 December 2024

Location: Malda, West Bengal

Contact: Dy. Chief Material Manager, Malda, West Bengal

11 | South Eastern Railway

Details: Tenders are invited for supply, installation and commissioning of Goliath crane (with 03 meter cantilever on each side), cap-15 tonne, span - 11 m.

Submission date: 03 December 2024

Location: Kharagpur, West Bengal

Contact: Principal Chief Material Manager, Kharagpur, West Bengal

DUMPERS**12 | Naya Raipur Development Authority**

Details: Tenders are invited for supply of hopper tipper dumper (version 2) (q3).

Submission date: 31 December 2024

Location: Naya Raipur, Chhattisgarh

Contact: Sub Engineer, Municipal Corporation Durg Head Office, Naya Raipur Development Authority, Durg, Chhattisgarh

13 | Water Resources Department Chhattisgarh

Details: Tenders are invited for supply of hopper tipper dumper (version 2) (q3).

Submission date: 27 November 2024

Location: Bilaspur, Chhattisgarh

Tender value (Rs): 3,105,070

Contact: Manish Sharma-Executive Engineer, Sakri, Bilaspur-495001, Chhattisgarh

14 | Water Resources Department Chhattisgarh

Details: Tenders are invited for supply of hopper tipper dumper (version 2) (q3).

Submission date: 27 November 2024

Location: Bilaspur, Chhattisgarh

Tender value (Rs): 1,960,241

Contact: Manish Sharma-Executive Engineer, Sakri, Bilaspur-495001, Chhattisgarh

Travel ahead of competition

VIP OFFER IS BACK

30% Discount + Full Value Back Gifts



Free Gift



Strolly
MRP ₹8,500

Free Gift



Titan Duffle Trolley
MRP ₹3,980

Free Gift

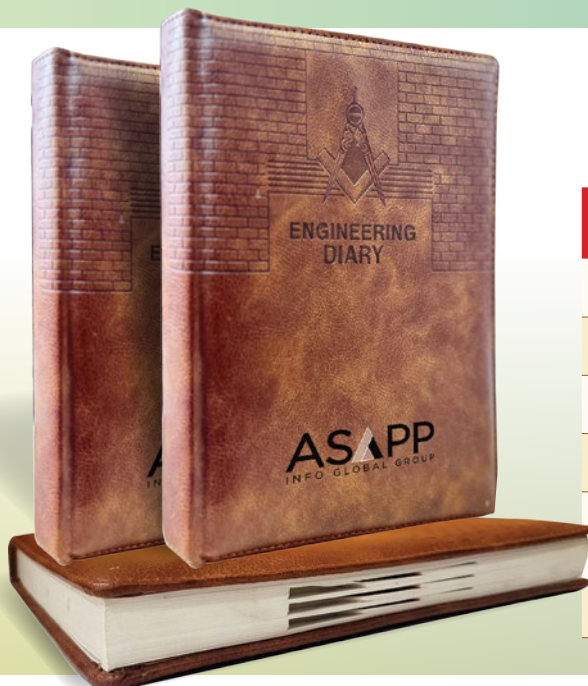


Titan Duffle Bag
MRP ₹2,150

Free Gift



Century Laptop Backpack
MRP ₹2,450



FREE ENGINEERING DIARY WITH 1 YEAR SUBSCRIPTION

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

(EXTRA COURIER CHARGES OF ₹600/- PER YEAR ON ANY SUBSCRIPTION)

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

(EXTRA COURIER CHARGES OF ₹600/- PER YEAR ON ANY SUBSCRIPTION)

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 ☐ 1 ☐ 3 or ☐ 5 Years (Tick to choose)

Enclosed is my cheque / Demand Draft No. _____ for _____
drawn on _____ in favour of "ASAPP Info Global Services Pvt Ltd." payable at Mumbai.

For online payment log on to www.ASAPPInfoGlobal.com

Name _____ Designation _____

Company _____ Address _____

Date of Birth _____

City _____ 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/Subscription

In case of change of address, please inform us by email: Subscriber@ASAPPInfoGlobal.com with the subject line 'Change of Address'.



ASAPP Info Global Services Pvt Ltd.
A-303, Navbharat Estate, Zakaria Bunder Road, Sewri (West), Mumbai-400 015.
Tel: +91 22 3103 3000



SUBSCRIBE NOW

in Tata Hitachi Construction Machinery Company

We are delighted to announce that Tata Hitachi's authorised dealer, Gennext Heavy Equipments has inaugurated their Head Office at Port Blair. Moving another step closer to customers. The event was graced by our esteemed customers and the senior management team of Tata Hitachi and Gennext.



in Bonfiglioli India

Bonfiglioli successfully hosted a customer seminar in Kolkata, showcasing Bonfiglioli's expertise in industry and automation solutions. It was a great opportunity to meet our esteemed customers, discuss our innovative solutions for their needs, and establish a strong connection. Driving the future of industries together!

in Schwing Stetter India

Our SCHWING Stetter CP45 ILS Batching Plant has achieved a remarkable milestone with MAX Infrastructure! Initially supporting Bangladesh's Chittagong Elevated Expressway with over 152,000 cubic meters of concrete, the plant now drives the Improvement and Land Development works at the MRT Line-1 Depot project in hashtag#Dhaka, with 8,300 cubic meters produced and counting. To commemorate this achievement, Schwing Stetter India, in collaboration with our dealer LUCID Engineering Solution, proudly presented a memento to MAX Infrastructure. We're honoured to be part of Bangladesh's infrastructure journey!

in ICEMA

VG Sakthikumar, Treasurer of ICEMA and Chairman & Managing Director of Schwing Stetter India, took the stage representing ICEMA and the #BharatConstructionEquipmentExpo at the Bharat Mobility curtain-raiser in the august presence of Shri Piyush Goyal, Hon'ble Union Minister and Shri Jitin Prasada, Hon'ble Union Minister of State, for Ministry of Commerce and Industry, Government of India.

Setting the stage for a transformative future in India's construction equipment industry!



in JCB India Ltd

Another step towards increasing our footprint across the country, this time in Hosur – an industrial powerhouse that is rapidly expanding and evolving into a key economic driver for the region. Mr. Deepak Shetty, CEO and Managing Director of JCB India, inaugurated a 3S outlet of our dealership, TRR Automotive, in Hosur, Krishnagiri.



in KOBELCO Construction Equipment India

The versatility of SK80 speaks volumes! As the world moves toward modernity, the newly launched game-changing excavator perfectly blends innovation and technology. Its unmatched efficiency and exceptional features deliver more with less. Whether it's fuel efficiency, engine power, or cabin comfort, the SK80 has it all. Trust Kobelco for all your infrastructure needs.

in HD Hyundai Construction Equipment India

We are thrilled to announce that HD Hyundai Construction Equipment India has achieved a massive milestone of 100,000 subscribers on YouTube! We have also received the prestigious YouTube Silver Play Button from Youtube! This incredible achievement is a testament to your unwavering support and trust in brand Hyundai.



Putzmeister



BATCHING PLANT
Output: 21 m³/hr – 120 m³/hr



SANY BOOM PUMP
Vertical reach: 30m | 37 m | 43m



TRANSIT MIXER Capacity: P7+ | P8 PTO | P9 PTO | P10 PTO



STATIONARY PUMP
Output: 39 m³/hr – 95 m³/hr



TRUCK-MOUNTED BOOM PUMP
Vertical reach: 36 m | 42 m

All figures mentioned are within theoretical ranges and are based on controlled data.
*Terms & conditions apply.

CONCRETE SOLUTIONS WORLD-CLASS PERFORMANCE

Grab exciting year-end offers & own your trusted Putzmeister machine today.

With 65+ years of global jobsite expertise, we're Close to Your Business — offering the right solutions tailored to your needs. From bridges to highways, metros to airports, and housing to commercial buildings, our expert team delivers proven support with products, training, service, and consultancy. So that every project transforms into a resounding success.

Avail Exciting Offers*



Up To 95%
Finance



Attractive
Interest Rates



Up To 60 Days
Moratorium



Unbeatable
Offers



Toll-free number 1800-267-2678 | www.putzmeister.com/web/india

Follow Us: [in](#) [ig](#) [f](#) [x](#) [yt](#)



3rd METRO RAIL CONFERENCE

22nd January, 2025 | Mumbai

ACCELERATING THE LIFELINE OF URBAN TRANSPORT

KEY THEMES:

- Metro Rail Expansion in India
- Technological Advancements in Metro Systems
- Regional Development Focus
- Public-Private Partnerships (PPP) and Investment Models
- Economic and Environmental Impact

OUR ESTEEMED SPEAKERS



Karun Raj Singh Sareen
Partner, Major Projects
Advisory, KPMG



KVB Reddy
MD & CEO,
L&T Metro Rail
Hyderabad



Mahesh Moroney
Sr Dy Chief Project Manager,
Maharashtra Metro Rail
Corp Ltd.



Dr. MP Ramnivas
Director Projects,
Kochi Metro Rails



MJ Shankar Raman
Chief Executive Officer,
IIT- Madras Pravartak
Technologies Foundation



Shantanu Goel
Joint MD,
CIDCO



Suneet Maheshwari
Chairman,
Udvik Infrastructure
Advisors LLP



Suyash Trivedi
Executive Director (Civil),
Mumbai Metro Rail Corp Ltd.



Vinod Yadav
Director - Transport,
NCC

For Sponsorship Opportunities: Ratan: +91 8422874021 | Ratan.R@ASAPPinfoGlobal.com
For Delegate Registrations: Snehlata: +91 8422862241 | Delegate3@ASAPPinfoGlobal.com
Sudeep: +91 8108366300 | Delegate6@ASAPPinfoGlobal.com
Anushree: +91 8657532148 | Delegate5@ASAPPinfoGlobal.com
For Speaking Opportunities: Kajal: +91 7045 848 008 | Conference2@ASAPPinfoGlobal.com