

# Equipment INDIA

India's First Infrastructure Equipment Magazine®

February 2023 • Vol. 16 No. 1

[www.EquipmentIndia.com](http://www.EquipmentIndia.com)

₹150

## FEATURE:

- Transmission Systems...66

## INTERVIEWS:

- VG Sakthikumar of Schwing Stetter India...40
- Rajiv Poddar of BKT Tires...43
- Shyam Gyanani of Trident International...72

# THE GREAT LEVELER

Compaction equipment holds the key not only to quality construction but also to improved maintenance.



**bauma**  
CONEXPO INDIA

Visit us at Stall No. E03

Instant Subscription



**ASAPP**  
INFO GLOBAL GROUP

[www.EquipmentIndia.com](http://www.EquipmentIndia.com)



**TATA MOTORS**  
Connecting Aspirations



# AB BUSINESS HOGA PROFITABLE



**BS6**

To know more



Disclaimer: Features may vary from model to model.

Scan QR code or visit your nearest Tata Motors Dealership



GEAR SHIFT  
ADVISOR



AC CABIN OPTION



CAPACITY STARTING FROM  
2.66 m<sup>3</sup> TO 7 m<sup>3</sup>



HIGH TIPPING ANGLES



HIGH GRADEABILITY



BETTER TORQUE

**TATA TRUCKS**  
**DESH KE TRUCKS**

Toll-free number  
**1800-209-7979**





**PARTNERING**

# INDIA'S INFRASTRUCTURE GROWTH

**FOR TWO DECADES**



**VISIT US AT**

**BOOTH NO. J 30, OUTDOOR**

**bauma CONEXPO INDIA**

**31 Jan. - 03 Feb. 2023**

India Expo Centre, Greater Noida / Delhi NCR



Mera LiuGong Mera Vishwas

**1800 1033 852**

**TOUGH WORLD. TOUGH EQUIPMENT.**

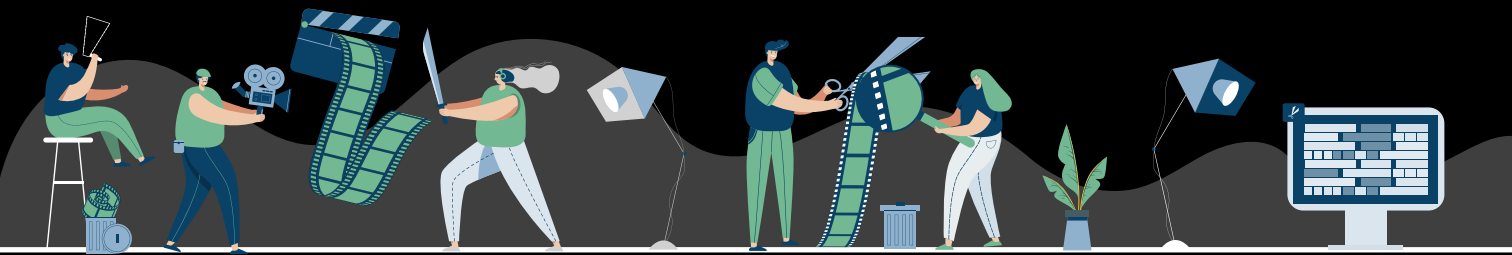
✉ [india@liugong.com](mailto:india@liugong.com) 🌐 [www.liugongindia.com](http://www.liugongindia.com)





# ASAPP STUDIOS

Have video needs?  
Think ASAPP Studios



The one-stop shop for video needs  
in the construction fraternity



SCAN HERE

TO KNOW MORE

Videos@ASAPPInfoGlobal.com | 022 2419 3000





**CAT**

**323D<sub>3</sub>**

PLEASE VISIT US AT

**bauma**

**CONEXPO INDIA**

**31<sup>st</sup> Jan - 03<sup>rd</sup> Feb 2023**

**Stall no. O.I30.**

**You are**  
**ALWAYS AHEAD**  
**with Cat<sup>®</sup> Services**

**Strong Dealer Network**

**Tailored CAT Finance Solutions**

**A Hassle Free Ownership Plan  
with Customer Value Agreement**

**1800-572-7558**

© 2022 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.



# Equipment INDIA

## Founder & Editor-in-Chief

Pratap Padode

## Group Managing Editor

Falguni Padode

Email: [Falguni@ASAPPinfoGLOBAL.com](mailto:Falguni@ASAPPinfoGLOBAL.com)

## Members – Editorial Advisory Board

Anand Sundaresan, Managing Director, Ammann India

B Seshnath, CEO & MD, Walvoil Fluid Power India

Puneet Vidyarthi, Head Product Marketing (CE Business), CASE New Holland

Rajesh Nath, Managing Director, VDMA India

Ratan Lal Kashyap, President - SCM, Welspun Enterprises

Sanjay Pendharkar, Co-Founder & Chief Consultant, Whetstone Group

Satin Sachdeva, Secretary General, CERA

SP Rajan, Head – Plant & Machinery, Larsen & Toubro

Tony van Herbruggen, General Manager, Atlas Copco India

## Member - Advisory Board

KGK Moorthy

Email: [KGK@ASAPPinfoGLOBAL.com](mailto:KGK@ASAPPinfoGLOBAL.com)

## Sr. Sub Editor

\*Karthik Muthuveeran

Email: [Karthik@ASAPPinfoGLOBAL.com](mailto:Karthik@ASAPPinfoGLOBAL.com)

## For Advertisement

[Adsales@equipmentindia.com](mailto:Adsales@equipmentindia.com)

## Mumbai

Dipti : +91 84228 74027

## Delhi

Sanjay: +91 84228 74040

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](mailto:Sub@EquipmentIndia.com)

Tel: 022-24193000

## Published by

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

Tel: 022-24193000. Fax: 022-2417 5734.

\*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. IC/716, Off Dadaji Konddeo Cross Road, Between Sussex and Retiwalla 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

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.

To subscribe digital edition of Equipment India

log on to: <https://digital.equipmentindia.com/>

## IT'S SHOWTIME!

The Auto Expo 2023 - Components Show, organised jointly by Automotive Component Manufacturers Association, CII, and Society of Indian Automobile Manufacturers, closed with the highest-ever footfall of 1,22,500 business delegates from 65 countries with over 800 exhibitors from 15 countries and six country pavilions last month. There were more than 1,400 new products on display, offering vehicle electrification, reaffirming the industry's commitment to India's plan for transforming into sustainable and green future mobility.

Innovative products included low weight tailgate and sunroof; tyre changing attachment for EVs; energy-efficient power control units; nano-catalyst for coating CDPF; friction motor cooling system; semi-solid lithium-ion cell; on-board charger; digital twin benchmarking, Delta costing and Iceberg 3.0; PVC fabric tarpaulin and LSR components for EVs. ACMA represents 800 automotive component manufacturers who contribute to more than 85 per cent of the industry's turnover in the organised sector. Today, it contributes 6 per cent of the country's national GDP, 49 per cent of the national manufacturing GDP, and is responsible for over 30 million jobs. The auto component industry is dominated by SMEs which are the key drivers of India's economic growth and the 'Make in India' programme. The share of auto components in the global automotive aftermarket is about \$100 billion and India's share is just 2 to 3 per cent. Given the scale of the auto industry domestically, we have an opportunity to scale up expertise with EVs as we leapfrog. The \$19 billion of components exports recorded last year could be trebled in three years as there are enough opportunities to be availed of as per industry experts. The advancement and preparedness of the auto components industry can accelerate the CE industry.

Having been delayed and not one to be left behind, bauma CONEXPO India returns after a gap of four years post-pandemic. bauma is anticipated to draw more than 50,000 people and 600 technology suppliers from more than 23 nations. Over 5,000 pre-qualified buyer meetings, 20+ live OEM demos, and 20+ technical workshops will all be included in the event. Electric machines may take the centrestage this year, with manufacturers eager to showcase the most recent developments in environmentally friendly machinery.

The scale of infrastructure projects is taken a leap. At the recently-concluded Metro Rail Conference organised by FIRST Construction Council & Construction World, Padma Vibhushan Dr E Sreedharan, the Metro man of India, commented that India should be constructing metro rail at the rate of 200 km per year against the current 25 km per year. China incidentally built 1,400 km of metro networks between 2019 and 2020. China's urban rail transit system expanded at an unprecedented rate last year, adding 62 brand-new metro lines in 35 cities, as per research reports. These projects increased the total length of China's urban rail transit by over 15 per cent to 9,192 km, accounting for about a quarter of the world's total.

It is estimated that the Chinese metro system would reach 13,000 km in length by 2025. In comparison, India currently has the fifth-largest metro network in the world where 810 km of metro lines are operational in 20 cities and a network of over 980 km of the metro network and RRTS is currently under construction in 27 cities. Together it would be around 1,800 km with another 1300 km coming up for tenders. We have miles to go. The budgetary support for metro rail needs enhancement as we have now 63 cities with a million-plus population where metro lines could qualify. Depending upon the density of traffic headed, the city could opt for Metro Neo or Metro Lite style metro lines. Andhra Pradesh is exploring the Metro Neo option. The Bullet train project [too] has picked up speed and with one such project coming up we are likely to see several more.

Ballard Power Systems has signed an agreement to launch a pilot project to develop a hydrogen fuel cell electric truck (FCET) for mining logistics and transportation with Adani Enterprises and Ashok Leyland to be launched in 2023.

Get set for an innovative and energy-conscious year.



*Pratap Padode*

Follow me on twitter @PratapPadode





Visit us at:  
Stall no. O.H20.

**bauma**  
**CONEXPO INDIA**

31<sup>st</sup> January to 03<sup>rd</sup> February, 2023

India Expo Centre,  
Greater Noida / Delhi NCR

# Your partner in building a self-reliant, robust India

For more than a decade



India is on its way to fast becoming a multi-trillion economy and Infrastructure takes the centre stage. From creating all-weather connectivity with Z-Mohr Tunnel, to contributing towards Energy Security with the Kudankulam project and manufacturing M-Sand as a sustainable alternative to river sand, to covering the length and breadth of the nation with Road network, Terex has participated with a future-ready solution to every construction equipment need. The addition of Telematics, Pick and Carry Cranes and Hybrid Technology to the fleet, makes our Solutions more versatile and ready to meet all challenges!

- Franna Pick & Carry Cranes • Powerscreen • Finlay • Terex Minerals Processing Systems (MPS)
- Terex Washing Systems (TWS) • Evoquip • Terex Recycling Systems

[www.terex.com](http://www.terex.com)

## TEREX INDIA PRIVATE LIMITED

E-18, Phase II, Expansion II, Sipcot Industrial Complex,  
Hosur, Tamil Nadu - 635109. Tel.: +91 4344 352 200

© 2021 Terex Corporation. All rights reserved. Terex, Terex MPS and Terex TWS are trademarks of Terex Corporation or its subsidiaries.

Follow us on:  
**LinkedIn**



# INSIDE

## COVER STORY: COMPACTION EQUIPMENT CREATING COMPACT FOUNDATIONS 26



The upward trend of mechanisation in the construction and road-building industries is expected to drive the compaction equipment market in India.

## SAFETY IN SELECTING THE RIGHT EQUIPMENT 36

Manufacturers are redesigning the compaction process from the ground up in order to overcome the main challenges posed by conventional compaction rollers.

## BAUMA CONEXPO SPECIAL BRINGING THE CE INDUSTRY TOGETHER 38

As one of the largest trade shows for the construction machinery sector, bauma CONEXPO INDIA enjoys support from important policy influencers in the Central and State governments.

## "WE WILL BE LAUNCHING 14 NEW PRODUCTS." 40



VG Sakthikumar, Managing Director, Schwing Stetter India

## "WE ARE LAUNCHING NEW 'MADE FOR INDIA' TYRES." 43



Rajiv Poddar, Joint Managing Director, Balkrishna Industries

## "WE WILL FOCUS ON CE FOR ROAD & RETAIL SEGMENTS." 46



Dimitrov Krishnan, Managing Director, Volvo CE India

## "WE WILL BE COUNTRY'S FIRST MANUFACTURER OF ELECTRIC CE." 47



Sorab Agarwal, Executive Director, Action Construction Equipment

## "DEMAND FOR EXCAVATORS & BACKHOE LOADERS WILL RISE." 48



Nischal Mehrotra, VP - Sales & marketing, Liugong India

## "OUR PRODUCTS HAVE A VERY PROMISING MARKET IN INDIA." 50



Piero Guizzetti, CEO, MB Crusher India

## "WE PLAN TO GROW BY 13% GROWTH IN TOP LINE IN 2023." 51



Ramesh Babbar, President and Director, Columbia Machine Engineering



# Cenlub Chassis Lubrication System drastically reduces heavy vehicle down-time.

Premature component failure means the threat of vehicle breakdown, leading to high repair and maintenance costs, and loss of revenue, time and reputation. With Cenlub Progressive Grease Lubrication Systems, heavy vehicles can stay on the road longer without facing downtime.

For more information, call  
+91 8826794470 / 71 / 72 / 73

## Why Cenlub Chassis Lubrication System?

- ✓ Extends equipment life
- ✓ Reduces consumption of lubricant
- ✓ Reduces maintenance costs
- ✓ Reduces machine downtime
- ✓ Safer and healthier working conditions
- ✓ Environmental improvements



CIL / MLD / VHCL / 001 R4

**bauma**  
CONEXPO INDIA

Visit us at BAUMA CONEXPO 2023

Stall #M45 / Hall H12

Venue: India Expo Centre, Greater Noida / Delhi NCR

Date: 31<sup>st</sup> Jan - 3<sup>rd</sup> Feb 2023



Since 1977\*

For more detailed information  
call +91 8826794470 / 71 / 72 / 73  
or email us at [cenlub@cenlub.in](mailto:cenlub@cenlub.in)



CENLUB IND LTD

# INSIDE

## "WE WILL DISPLAY SELF-LOADING CONCRETE MIXERS."

52



Kalpesh Soni, Vice President,  
KYB Conmat

## "SUSTAINABILITY & AUTOMATION WILL BE OUR FOCUS AREAS."

53



Dheeraj Panda, COO (Sales,  
Marketing & Customer Support),  
Sany Heavy Industry India

## "MAJORITY OF OUR EQUIPMENT FUNCTIONS ON DIESEL."

54



Jaideep Shekhar, Managing  
Director, Terex India

## "WE WILL SHOWCASE OUR READINESS IN BUILDING THE INDIA OF TOMORROW."

56



BKR Prasad, Head - Marketing  
& Product Development, Tata  
Hitachi Construction Machinery

## "WE ARE COMING UP WITH NEW JOINT VENTURES & TIE-UPS."

58



Niraj Shah, Managing Director,  
Kaushik Engineering Works

## INTERACTION

### "IN MINING, INDIA IS STILL BEHIND."

64



Sujeet Kumar, Business Line  
Manager - Surface Division,  
Epiroc Mining India

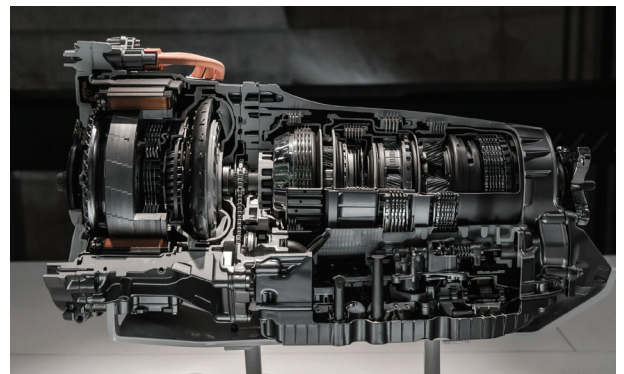
## Equipment INDIA C.A.S.H

• Components • Accessories • Spares • Hardware

**C.A.S.H** 79

## SPECIAL FOCUS: TRANSMISSION SYSTEMS EFFICIENCY DRIVES TRANSMISSION SYSTEMS

66



The transmission system plays a vital role in equipment as the gearbox determines the performance and robustness of the equipment.

## INTERVIEWS

### "INDIA IS STILL TAKING BABY STEPS IN AUTOMATION."

71



Tridib Majumder, Managing  
Director, Quaker Houghton  
India, speaks on the growth of the  
mining industry in India, and key  
digital features.



Technical Collaboration with



UNITED STATES OF AMERICA  
BRAZIL | ITALY



EIMCO ELECON

YOU ARE CORDIALLY INVITED  
TO VISIT US AT

**bauma**  
**CONEXPO INDIA**

6<sup>th</sup> International Trade Fair for Construction Machinery, Building  
Material Machines, Mining Machines and Construction Vehicles

**Block: Open Area Near Entry Gate #11**

**Stall No:**

**O.G34**

**From:**

**31<sup>st</sup> January -**

**3<sup>rd</sup> February, 2023**



**EC216**  
**Piling Rig**

**MAKE  
IN  
INDIA**

*"Always a step ahead in technology"*



**EIMCO ELECON (INDIA) LIMITED**

ANAND SOJITRA ROAD, VALLABH VIDYANAGAR - 388120. GUJARAT, INDIA.

Tel.: 02692 - 227859, Mobile : +91 99250 07859

Web : [www.eimcoelecon.in](http://www.eimcoelecon.in) | E-mail : [neerajbhatia@eimcoelecon.in](mailto:neerajbhatia@eimcoelecon.in)



**NATIONAL BRANCH OFFICES**

AHMEDABAD, BANGLORE, BILASPUR, CHENNAI, HYDERABAD, INDORE, KOLKATA, MADURAI, MUMBAI, NAGPUR, NEW DELHI, PUNE, RAIPUR, VADODARA

**INTERNATIONAL NETWORK : DUBAI, SINGAPORE**

# INSIDE

## **"SOON THERE WILL BE A TREND OF ELECTRIFICATION IN CE" 72**



Shyam Gyanani, Co-Founder and Executive Director, Trident International, speaks on the company's offerings for the mining segment, and the USPs of these

products.

## **"DESPITE COVID THREATS, WE EXPANDED BY MORE THAN 20%." 74**



Biman Banerjee, Senior Manager, Branded Sales, Mallcom India, speaks on tackling the competition from Chinese companies.

## **"WE CONTINUOUSLY INVEST IN IMPROVING OUR FACILITIES." 75**



Satya Ranjan Mohapatra, Deputy GM (IB & IS), Tide Water Oil, speaks on major products from the company and its salient features.

## **"GOING FORWARD, WE PLAN TO LAUNCH NEW PRODUCTS." 76**



Kaushik Sen, Country General Manager, Drillman Global, speaks on the IoT and digital technologies that are evolving in the business.

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



\*QR code application required.

## **"OUR FOCUS IS ON SUSTAINABILITY." 77**



Dr Arabinda Bandyopadhyay, Chief Technologist, CDE Asia, speaks on IoT and digital technologies that are evolving in processing.

## **"IN INDIA, THERE IS A NEED FOR 1 MT OF AMMONIUM NITRATE." 78**



Vivek Misra, Associate Vice President, Business Excellence and Transformation, Smartchem Technologies, speaks on the various challenges faced by the

company.

## **COMMUNICATION FEATURE EVEREST: EXCLUSIVE DISTRIBUTOR OF GJJ HOISTS 91**



## **REGULARS**

Search.....	14
What's up.....	16
Around the world.....	23
Movers and Shakers.....	81
Project tenders.....	84
Twit-Bits.....	92



SINCE : 1979



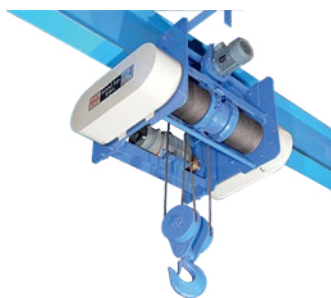
bauma  
CONEXPOINDIA

Booth No. H14,F65, Hall.H14

Cordially Invites you to  
January 31-February 3,2023  
India Expo Center Noida/  
Delhi NCR India



# Materials Handling Equipment - Construction Series



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



H.O. & Unit - 1: Plot : 613, Phase - IV, G.I.D.C., Vatva, Ahmedabad - 382 445.

Unit - 2 : Plot : 5,6,7, Devraj Industrial Park, Piplaj-Pirana Road, Piplaj, Ahmedabad - 382 405.

Contact : +91-9328739901 | +91-9377039904 | +91-9825073608

● info@technoind.com ● www.technoind.com



## ORGANISATION

Action Construction Equipment.....	47	S&P Global Mobility.....	18	Gmmco.....	60
Adani Enterprises.....	18	Sany Heavy Industry.....	53	Jaideep Shekhar.....	54
Adani Group.....	18	Schwing Stetter India.....	40	John May.....	23
AJAX Engineering.....	16	Smartchem Technologies.....	78	Kalpesh Soni.....	52
Balkrishna Industries.....	43	Tata Hitachi.....	56	Kaushik Sen.....	76
bauma Conexpo.....	38	Terex India.....	54	Magesh Swaminathan.....	61
BK Modi Group.....	16	Tide Water Oil.....	75	Manish Sisodia.....	22
BKT Tires.....	43	Tractors India.....	20	Niraj Shah.....	58
Bobcat.....	23	Trident International.....	72	Nischal Mehrotra.....	48
Case Construction Equipment.....	23, 30	V Chandrashekhar.....	60	Piero Guizzetti.....	50
CDE Asia.....	77	Volvo CE.....	46	Pranav Adani.....	18
Columbia Machine Engineering.....	51	Wacker Neuson.....	23	Prashant Bisen.....	60
Doosan Infracore.....	23			Rajiv Poddar.....	43
Drillman Global.....	76	<b>PEOPLE</b>		Ramesh Babbar.....	51
Hitachi Construction Machinery.....	23	Alok Jha.....	30	Satya Ranjan Mohapatra.....	75
Hyundai Construction Equipment.....	23	Bhupinder Singh.....	38	Shubhabrata Saha.....	16
John Deere.....	23	Biman Banerjee.....	74	Shyam Gyanani.....	72
Kaushik Engineering Works.....	58	BKR Prasad.....	56	Sorab Agarwal.....	47
Komatsu.....	23	Chris Jeong.....	23	Tridib Majumder.....	71
KYB Conmat.....	52	Devendra Fadnavis.....	22	VG Sakthikumar.....	40
Liugong India.....	48	Dheeraj Panda.....	53	Vivek Misra.....	78
Mallcom India.....	74	Dimitrov Krishnan.....	46		
MB Crusher India.....	50	Dr Arabinda Bandyopadhyay.....	77		

[illegible]





## 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](mailto:info.india@ifm.com) · Internet: [www.ifm.com](http://www.ifm.com)

## AJAX to invest ₹100 cr in new facility

Manufacturer of concrete equipment Ajax Engineering announced a Rs 100 crore investment to build its fifth manufacturing plant in Bengaluru with plans for a portion of the facility to be operational by the end of the year.



**Shubhabrata Saha**, the organisation's newly-appointed MD and CEO, has stated that the company's sales target for 2026 is Rs 30,000 million. We anticipate having a revenue turnover of roughly \$10 billion at the end of FY23. Our primary local and export companies will be responsible for the scaling of revenues. We expect our exports which are currently around 500 million to increase by three times over the next three to four years added Saha.

The company hopes to grow in these markets because it believes its goods are ideally suited to cover regions including Middle East, Africa, and

South and Southeast Asia. We will also consider international acquisitions which would boost our revenue by another \$10 billion he continued.

In the upcoming years, Saha claimed that there is a significant possibility to scale up the batching plant business in addition to its

category of self-loading concrete mixers. The business is currently developing an innovation pipeline.

The size of the Indian market for concrete equipment is between 50000 and 60000 million. We think that the infrastructure story will be extremely important if the nation intends to grow its economy significantly over the next 20 years.

We are optimistic that we will meet our sales objective in this scenario because the size of this market could increase to Rs 80,000 million in a few years according to Saha.

## BK Modi Group to spend \$1 bn over the next five years



Over the next five years, BK Modi Group will invest around \$1 billion in the market. The organisation will include international investors in the proposed projects as a source of funding. In collaboration with a developer, the firm is already building a commercial real estate project in Mumbai and they now have plans to grow this enterprise. Regarding the idea of a private smart city, Modi stated that a mixed-use project will be built in Rampur Uttar Pradesh. This project already has a plot of land on which to build apartments a mall a hospital and office space.

## Cabinet approves National Green Hydrogen Mission

The Union Cabinet has approved National Green Hydrogen Mission. The initial outlay for the Mission will be Rs 197.44 billion including an outlay of Rs 174.90 billion for the SIGHT programme Rs 14.66 billion for pilot projects Rs 4 billion for R&D and Rs 3.88 billion towards other Mission components. MNRE will formulate the scheme guidelines for the

implementation of the respective components. The Mission will result in the following likely outcomes by 2030:

Development of green hydrogen production capacity of at least 5 MMT (Million Metric Tonne) per annum with an associated renewable energy capacity addition of about 125 GW in the country. Over Rs 8 trillion in total investments. Creation of over 6,00,000



jobs. Cumulative reduction in fossil fuel imports over Rs 1 trillion. Abatement of nearly 50 MMT of annual greenhouse gas emissions. The Mission will facilitate demand creation production utilisation and export of Green Hydrogen.

**iNoW**  
Industrial News on WhatsApp



Get Industrial Updates on Your WhatsApp!

TOP ENGINEERING COMPANIES USE iNOW TOO!



Give a missed call on **84228 74016** and save the number to continue to receive updates

FOR REGULAR UPDATES





## PBL. A glorious history. A glittering legacy.

At PBL, we've built a rich legacy of delivering world-class products, backed by reliable technology, robust build quality and a PAN India Sales and Service network. The acquisition of the Benzlers-Radicon Group – UK, made us a global player with an ever-expanding global footprint. And we are poised to keep growing. Because, for us, it's not just about becoming the leader, it's about building an eternal legacy.



**Series M**  
Helical Inline  
Geared Motor



**Series C**  
Heliworm  
Geared Motor



**Series F**  
Parallel Shaft  
Geared Motor



**Series K**  
Helibevel  
Geared Motor



**Series J**  
Shaft Mounted  
Speed Reducer

GEARED MOTORS | GEAR BOXES | CUSTOMIZED GEARS | DRIVE SOLUTIONS

- Robust design • Modular construction • User-friendly interface • Quick installation
- Economical operation • Easy maintenance

Phone: +91-2692-231070, 231120, +91-75675 67567 | Website: [www.powerbuild.in](http://www.powerbuild.in) | E-mail: [infopbl@powerbuild.in](mailto:infopbl@powerbuild.in) |  



## India eyes overseas copper, lithium mines to meet shortfall

India is exploring ways to secure supplies of metals such as copper and lithium from some of the world's top producers by acquiring overseas mines as part of efforts to meet rising domestic demand government sources said.

To start with, India has identified one copper and two lithium mines in resource-rich Argentina to either acquire or secure long-term leases the sources said. The sources with direct knowledge of the matter did not wish to be identified citing official rules. A team of experts has already studied the technical aspects of the one copper and two lithium mines in Argentina by visiting the sites.

According to the sources, the



attempt is part of India's larger push to get vital metals and minerals from leading global producers.

The Indian government has launched Khanij Bidesh India (KABIL) as part of its drive to explore international mineral assets. KABIL is a business founded by state firms National Aluminium Company Hindustan Copper and unlisted Mineral Exploration Corp. KABIL

plans to establish a unit in Argentina to mine and process lithium.

Lithium is a key basic ingredient used in the production of electric car batteries. As part of a broader push by the government to meet its decarbonisation goals India has introduced a clutch of measures to boost sales of electric vehicles (EVs).

According to S&P Global Mobility, India will overtake Japan as the world's third-largest market for passenger and other light cars. Apart from lithium, copper demand has increased in India despite the fact that the country produces only 10-15 per cent of its entire copper requirement.

## Mines Min approves ₹1.54 bn for NMET's exploration

Under the direction of Vivek Bharadwaj, Secretary Ministry of Mines, the Executive Committee (EC) meeting of the National Mineral Exploration Trust (NMET) Ministry of Mines was convened.

A total of Rs 1.54 billion worth of projects for improving institutional exploration capacity and mineral exploration were approved. To advance mineral exploration in the nation a project is being undertaken that includes graphite, iron, coal, zinc, associated minerals, bauxite, base metal (Pb Zn & Cu), Phosphorite/Glaucconitic, sandstone, PGE and other associated minerals (chromium, nickel, cobalt), tin and manganese and limestone.

It was also approved to provide financial aid to the Geological Survey of India (GSI) the Indian Bureau of Mines (IBM) and the State DGMs, DMGs to improve their institutional capacity for mineral exploration.

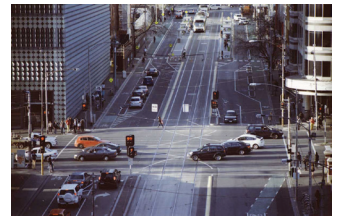


## Adani Group to invest ₹600 bn in MP

The Adani Group will invest over Rs 600 billion in a number of sectors in Madhya Pradesh which would create thousands of jobs. This would reshape the economy of several districts in the state, said Pranav Adani, Director at Adani Enterprises at the seventh Madhya Pradesh Global Investors Summit.

Currently the group has investments of close to Rs 275 billion in sectors such as power generation and transmission gas distribution cement manufacturing and agro-processing among others in the state. He said that sectors and projects that the group plans to invest in include four-laning of a part of NH-47 a gas link project and a micro-irrigation system.

It plans to set up mega food parks and six multi-modal logistics parks in Dhar Guna Damoh Ujjain and two in Indore. The multi-modal parks will be set up with an investment of Rs 52.50 billion Adani said.



**iNoW**  
Industrial News on WhatsApp



Get Industrial Updates on Your WhatsApp!

STAY UP-TO-DATE  
ON THE LATEST  
INDUSTRIAL PRODUCTS



Give a missed call on 84228 74016 and save the number to continue to receive updates

FOR REGULAR UPDATES





**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](http://www.ace-cranes.com)**

**Action Construction Equipment Ltd.**

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

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



## Greater Chennai Corp will relay over 8,000 roads



Over 8,000 roads in various parts of the city will shortly be relayed by the Greater Chennai Corporation. Under Singara Chennai 2.0, the local government has invited bids for 414 inner roads and 38 bus route roads.

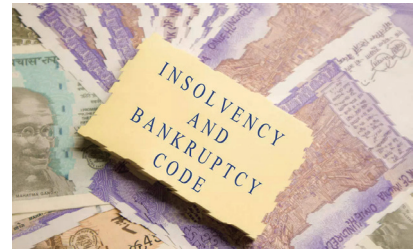
An official stated "Evaluation is underway for the relaying of roads under Singara Chennai 2.0." Following the rain, work was started on restoring the damaged roadways. Tenders for 705 additional inner roads in various areas of the city are due on January 31 in addition to the roads that will be covered by Singara Chennai 2.0. The officials stated that an evaluation of the state of another 634 roads had been completed and that they were awaiting a government order.

It is anticipated that a thorough project report for the construction of roads over 6,000 sections would be approved soon. Following the implementation of municipal projects by several agencies in 15 zones of the city residents in some locations have voiced complaints about poor roadways. The city has 471 bus routes and more than 35,000 internal roadways.

## Tractors India dragged to NCLT

Following the failure of earlier attempts at debt recovery, Bank of India has filed for insolvency against Kolkata-based commercial equipment maker TIL (Tractors India) in order to recoup its obligations.

Five banks including BoI have a combined amount of Rs 6,000 million in receivables from the company that banks have labelled as a non-performing asset. The NCLT has the matter on file pending admission.



Given that the company is in financial trouble and a settlement is improbable there was no other option a person who is knowledgeable of the process said.

## India plans to invest ₹350 bn by 2047 to build canals

According to Sanjay Bandopadhyaya, Chairman of the Inland Waterways Authority of India (IWAI), India plans to invest Rs 350 billion by 2047 to build a network of waterways across the nation. Creating waterways and jetties will be part of the strategy that will be put into action over the next 25 years in order to increase the capacity of Indian rivers for navigation.

The world's longest river cruise covers two national waterways (NWs) and travels into Bangladesh according to Bandopadhyay. "This cruise will go more than 3,200 km along Routes

NW1 (Ganga-Bhagirathi- Hooghly) IBP Route 1 and NW2 (Brahmaputra). This serves to further solidify the decision that this route is ready for the transportation of both passengers and freight," said Bandopadhyay.

It is the first river cruise to link Assam Bihar West Bengal Uttar Pradesh and Bihar. It starts in Varanasi Uttar Pradesh and ends in Dibrugarh (Assam). Thirty two visitors from Switzerland will be transported on the inaugural flight. The MV Ganga Vilas is scheduled to arrive in Dibrugarh on March 1, 2023. "Such river trips will be offered on 150 vessels over 80 circuits.



**iNoW**  
Industrial News on WhatsApp



Get Industrial Updates on Your WhatsApp!

GET INDUSTRIAL  
UPDATES ON THE GO



Give a missed call on **84228 74016** and save the number to continue to receive updates

FOR REGULAR UPDATES





SHOTCRETE  
**TSR 30.14**

**bauma CONEXPO INDIA**  
VISIT US AT **OD.C20 / H14-F91**

**TUNNEL**  
**THROUGH ANY**  
**BARRIERS WITH**  
**CONCRETE BELIEF**

Contact/Whatsapp - +91 91766 01882

[www.schwingstetterindia.com](http://www.schwingstetterindia.com)

**SCHWING Stetter (India) Private Limited**

Reg. Off. - F71/72 SIPCOT Industrial Estate, Irungattukottai,  
Sriperumbudur, Kanchipuram District - 602117, Tamil Nadu, India.  
Toll Free : 1800 123 1479 | Email : [enquiry@schwingstetterindia.com](mailto:enquiry@schwingstetterindia.com)

SCAN FOR ENQUIRY



## Coal production rises by 9% in December 2022 to 82.87 MT

India's coal production increased by 9.2 per cent to 82.87 million tonne in December 2022 from 75.87 million tonne recorded during November 2022. On a year-on-year basis, domestic coal production went up by 10.8 per cent in December 2022 from December 2021 when it was 74.79 million tonne.

According to Coal Ministry data in December 2022, Coal India registered a growth of 10.30 per cent whereas Singareni Collieries Company (SCCL) and captive mines recorded a growth of 19.12 per cent and 9.01 per cent

respectively.

At the same time, coal despatch increased by 5.28 per cent to 78.91 million tonnes in December 2022 from 74.95 million tonnes recorded in the corresponding period of last year.

During December 2022 CIL SCCL and captive mines registered a growth of 3.57 per cent 17.89 per cent and 8.85 per cent by despatching 62.72 million tonnes 6.72 million tonnes and 9.46 million tonnes of coal respectively. Power utility despatch also increased by 4.26 per cent to 65.65 million tonnes during December 2022.



## BMC to pave 400 km of roads

In the upcoming years will Mumbai's pitiful potholed roads ultimately be fixed? The Brihanmumbai Municipal Corporation (BMC) has chosen five large construction companies with a track record in building national highways to carry out the job and has eliminated small road contractors in order to execute the largest-ever civic contract to concrete 400 km of road for Rs 60 billion. BMC has imposed some of the strictest requirements on the road contractors who will be required to maintain these roads for 10 years for the first time. Road concreting will first be carried out by professionals with international experience.

For the first time in the history of the city's road construction, 400 km of roads will be concreted by companies that have constructed national



highways. According to municipal commissioner, Iqbal Chahal, the letters of intent will be sent to them. He praised chief minister Eknath Shinde and deputy chief minister Devendra Fadnavis for having the vision to make Mumbai pothole-free. The companies Nagarjuna Construction Company Eagle Infra India Roadways Solutions India Megha Engineers & Infrastructure and Dineshchandra Agrawal Infracon are anticipated to receive the two-year mega-contract for road concreting.

## Delhi govt approves first phase of elevated corridor in Najafgarh

According to an official statement, the Delhi government will build an elevated corridor in Najafgarh to relieve traffic congestion in the area. Deputy Chief Minister Manish Sisodia and Transport Minister Kailash Gahlot who is also a Najafgarh MLA met with senior Public Works Department (PWD) officials at a high level. During the meeting, Sisodia approved the project's first phase which will span 4.8 km and benefit thousands of people every day. Vehicles travelling on the Najafgarh-Phirni road Kapashera road Dhansa road Bahadurgarh road and Nangloi road will be able to use this elevated road to avoid traffic.



**iNoW**  
Industrial News on WhatsApp



Get Industrial Updates on Your WhatsApp!

INDUSTRY NEWS  
IN YOUR POCKET



Give a missed call on **84228 74016** and save the number to continue to receive updates

FOR REGULAR UPDATES



## Komatsu's electric, intelligent excavators at ConExpo 2023

Komatsu has announced plans to display a variety of earthmoving products at the 2023 ConExpo-Con/Agg. The show will feature 1,800 exhibitors and 150 education sessions from March 14-18 at the Las Vegas Convention Center and Festival Grounds. The Las Vegas Convention Center has upgraded its facilities since the last show, adding the new 1.4-million-square-foot West Hall exhibit area and the Diamond Lot.

According to ConExpo-Con/Agg organisers, the West Hall will house earthmoving exhibitors, including Bobcat, Case Construction Equipment, Hitachi Construction Machinery, Hyundai Construction Equipment,



Komatsu, Wacker Neuson and more. You can see more of what other OEMs have in store for ConExpo 2023 on our show preview page by clicking here.

Working under the theme of "Creating Value Together," the Komatsu booth in the West Hall at W42044 will focus on showing off the company's

latest technologies and products, digitalisation and electrification. Equipment, technology and service solutions on display will address construction, energy and utility, forestry, quarry, smart construction and sustainability. Through a variety of demonstrations of these products and technologies, attendees will learn at the booth about how Komatsu can assist in the optimisation of fleet and workforce capabilities, extending the life of machines, safe operation as a priority to reduce downtime, leveraging new technology to improve efficiency and productivity, conservation of resources, and employee retention through the right training and latest technologies.

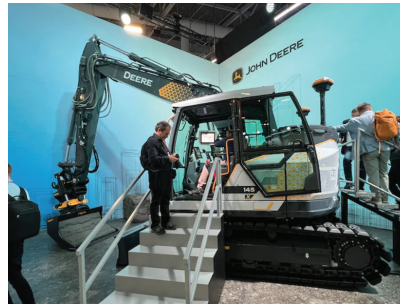
## John Deere debuts mid-sized electric excavator at CES 2023

John Deere unveiled its new 145 X-Tier electric excavator model at CES 2023 in Las Vegas. According to Ryan Campbell, John Deere's president of worldwide construction, forestry and power systems, the unveiling of the electric excavator is just a preview of what can be expected from the company at the 2023 ConExpo-Con/Agg.

"The model showcased at CES will also be on display at ConExpo, along with a variety of new machines in most of our product categories," he said.

The reveal of the machine was part of John Deere CEO John May's unprecedented keynote address. He was the first agriculture-technology executive to take centre stage. This marked the fourth time the company has attended CES; however, it was the first time showcasing a piece of construction equipment. Campbell said the electric model will be a part of Deere's future generation of excavators.

"The John Deere lineup of excavators are some of the most advanced, tech-driven machines, and we're excited to share this electrified



concept at CES so that attendees can experience the innovation in construction equipment," he said. No specifications were made available about the machine, although the "145" designation suggests a mid-sized excavator and it carries the E-Power label as a battery-powered unit.

In addition, the X-Tier represents the company's most advanced models in its naming strategy that debuted in 2021. Signifying their performance and technology tier, models are designated as a G, P, or X. G-Tier are touted as affordable alternatives to similar-sized excavators in their class; P-Tier includes advanced features; and X-Tier denotes the company's hybrid, electric and other advanced features.

## Chris Jeong is new CEO of Doosan Infracore

Doosan Infracore North America has named Chris Jeong as the new CEO. Jeong, a 17-year veteran of Doosan, will replace Edward Song, who was promoted to global sales head of Hyundai Doosan Infracore in Korea. Prior to being named CEO for North America, Jeong was CEO for Doosan Infracore European Union. He began his career with the company in 2006 and has held positions including senior corporate strategy manager and vice president of sales and marketing for emerging markets. Jeong completed his MBA at Carnegie Mellon University.

"I'd like to acknowledge the many accomplishments of Doosan Infracore North America under the leadership of Edward Song," Jeong says. "Edward was instrumental in getting the new organisation structured in 2018 as we recommitted the company to the heavy construction equipment industry in North America."

Jeong's first major assignment will be to oversee the Doosan exhibit at CONEXPO-CON/AGG 2023 in Las Vegas.

## Liebherr's last crane finishes work on Spin Tower in Frankfurt

When Liebherr's Tower Crane Solutions project department started planning crane operations almost five years ago, the dismantling of the 230 HC-L 8/16 was already on the agenda. To ensure a smooth climb down, the crane, with its radius of 55 m, had to be able to negotiate the new hotel and office tower without colliding with it. And it needed to do so along a façade with multiple projections. The upper storeys are each at a slightly rotated angle compared to the lower ones so that the 128 m-high tower doesn't have a uniform, smooth-running exterior. On top of that, there was little leeway in the choice of crane location due to the confines of the construction site and

the busy Mainzer Landstraße road.

Tower Crane Solutions solved this challenge with just as much precision as the anchoring needed for the HC-L. The luffing jib crane was climbed on the outside of the building. "The guying required for this needed to affect as few hotel rooms as possible," explains Julia Wiebeck, project manager at Tower Crane Solutions. Interior work on the hotel started while construction was still underway on the upper part of the tower.

Liebherr and the project developer Groß & Partner came up with a solution for this together. The 230 HC-L 8/16 was anchored to the building with three guy lines, two in



the hotel area and one at office floor level. The crane climbed on a 24 HC 630 tower system measuring 2.4 x 2.4 m. Positioned on a 6 x 6 m gauge undercarriage, the 230 HC-L 8/16 was the only crane to climb on this project.

Another 230 HC-L 8/16 was assembled in a freestanding position at a tower height of 84.3 m.

## Hyundai Doosan reveals new brand name

Hyundai Doosan Infracore (HDI) has announced that it is replacing the Doosan brand on its construction equipment and introducing its new brand named 'Develon'.

The change takes place a year and a half since August 2021 when HDI became a subsidiary of Hyundai Heavy Industries (HD Hyundai).

The brand name on all HDI equipment will change to Develon – a combination of the words 'Develop' and 'Onwards'. In a press release the OEM said that the new name conveys HDI's focus on the future through innovation and its intention to change the world with innovative products

and solutions.

HDI will continue as a subsidiary of the Hyundai Genuine group alongside Hyundai Construction Equipment (HCE). The Bobcat range remains part of the Doosan Bobcat business within Doosan Group and is totally unaffected by this change.

After the launch of the new brand at ConExpo-Con/Agg, work will begin on changing the brand at local dealers for both signage and machine decals. Doosan said; "Customers are likely to begin to see newly branded machines at their local Develon dealerships and on jobsites as early as the end of Q2 2023."

## Hilti to launch over 30 new cordless tools

More than 30 new cordless tools are set to be added to Hilti North America's portfolio of Nuron battery-powered tools for the commercial construction industry in 2023.

Customers at World of Concrete 2023 in Las Vegas were able to get hands-on with more than a dozen of the new tools including the DSH 700-22 rear-handle cordless cut-off saw, the NCV 10-22 ultimate concrete vibrator, the NCV 4-22 pencil concrete vibrator, and the SB 6-22 wide-mouth cordless band saw.

### Mecalac on track with new rail excavator, the 136MRail

Mecalac recently announced the North American launch of its 136MRail railroad excavator, the second of its MRail series.

"This model was

designed to be the go-to machine for Class 1 railroads, light rail and industrial rail operations," said Peter Bigwood, general manager of Mecalac North America. "The 136MRail is unrivaled in its compactness-to-performance ratio, speed and versatility."

The 136MRail joins the

10-ton 106MRail as the second of two tracked models in Mecalac's four-model MRail series.

Attachments such as grapple buckets, tie-removers, power brooms and trenching buckets allow operators to accomplish a variety of tasks around rail systems. Based on Mecalac's compact skid excavator

concept, the machine combines all functions of a compact loader and an excavator, bringing the speed of a loader and the 360-degree rotation of an excavator. According to Bigwood, the 136MRail is a state-of-the-art excavator in terms of lifting, towing and loading capabilities with a factory-integrated hi-rail.



## SmithCo to launch first 7-axle side dump trailer at ConExpo

SmithCo will showcase its new SX6 and SX7 side dump trailers at booth D1514 located in the new Diamond Lot at ConExpo-Con/Agg 2023. According to SmithCo, the SX7 is the industry's first seven-axle side dump trailer. Featuring a 40-foot tub and 53-foot trailer, the SX7 allows operators with a standard commercial license to haul up to 40 tonne in a single trailer without exceeding the 129,000-pound gross vehicle weight rating with the optimal truck configuration.

"We're excited to introduce these ground-breaking trailers that provide our customers with the ability to haul in one trailer which previously required two and help ease the burden

of hiring qualified drivers," said SmithCo CEO and President Scott Lovell. "With easier maneuverability, lower upfront costs and exceptional capacity, the SX7 and SX6 let customers do more with less."

The SX7 tub design incorporates three standard axles and four Ridewell steerable lift axle suspensions. To ensure the right configuration, SmithCo provides custom bridge drawings that consider truck weight, axle placement, overall length and tub placement to maximise the load capacity.

The trailer's cylinders are positioned at each end of the tub, rather than in the middle. This allows the tub to be



positioned at any point on the trailer frame for added flexibility. SmithCo says prior to this innovation, achieving a 40-tonne haul with side dumps required a train set with a lead trailer, a dolly converter and a pup trailer. The length of that setup makes backing up difficult. Additionally, it requires drivers to hold a doubles/triples endorsement.

## Cat invests in Lithos Energy

Caterpillar announced its investment in Lithos Energy, a battery technology company that produces lithium-ion battery packs. Headquartered in San Rafael, California, Lithos specialises in designing, engineering and manufacturing shock-resistant battery solutions for off-road and marine applications.

Caterpillar says its investment in Lithos further demonstrates the company's commitment to supporting customers in the energy transition with lower-carbon advanced power technologies for its hybrid and full-electric machines and power

generation products. The company recently displayed four electric construction machine prototypes, including battery prototypes, at Bauma 2022: the 320 medium electric excavators, the 950 GC medium electric wheel loader, the 301.9 electric compact excavators and the 906 electric compact wheel loader. The current prototypes are powered by Caterpillar-designed 48-volt, 300-volt and 600-volt lithium-ion batteries, which feature a modular design for flexible configuration across multiple applications, including the potential to reuse and recycle at the end of life, Cat says.

## CM Labs to introduce 4 new simulator training packs at ConExpo

CM Labs Simulations, located in the ConExpo 2023 North Hall Booth N11563, will unveil its new Grapple Tool, 360-degree Tiltrotator, Digger Derrick and Telehandler simulator training packs at the show, held March 14-18 in Las Vegas. The training packs are designed to be used with CM Labs' fully immersive Vortex Advantage simulator, entry-level motion-enabled Vortex Edge Max or desktop Vortex Edge Plus to address workforce and productivity issues in construction.

### Two Raimondi MRT111s for construction of campus in Cyprus

Official Raimondi agent for Cyprus, conAgro, installed two MRT111 flat-tops in the Cypriot city of Pafos. The cranes are supporting the construction of the new university

campus in the area, the first outpost of the American University of Beirut (AUB) outside MENA.

Dismantled from the job site in Q3 of 2022, the MRT111s were newly erected by the conAgro operational team shortly thereafter. Following a swift installation process, the cranes are expected to

remain onsite for approximately 12 months.

The first MRT111 has a height under the hook of 30m and a jib length of 48m, while the second is freestanding at 36m with a jib of 50m and a tip load of 2.3tn. Both machines are equipped with a 30kW hoist and a drum capacity of 450m, and can lift at a

maximum speed of 100m per minute. Expected to be completed in Autumn 2023, the new campus will host administration buildings, classrooms spread over three floors, and an auditorium. The new AUB campus in Cyprus aims to serve a broader audience while offering students exchange opportunities.





Scan to read



# CREATING COMPACT

**The upward trend of mechanisation in the construction and road-building industries is expected to drive the compaction equipment market in India.**

**G**rowth in infrastructure and construction activities are the key factors driving the growth of the compactors market. The introduction of stringent regulatory policies, is also fuelling the demand of this market. Whether it is asphalt compactors or soil compactors, the thrust from manufacturers has been on machines that will achieve optimum compaction with the minimum number of passes. The primary reasons propelling the growth of the compactors market are the expansion of infrastructure and construction activities. The enactment of strict regulatory guidelines is another factor driving up demand in this industry. The emphasis from manufacturers has been

# FOUNDATIONS

on devices that would accomplish optimal compaction with the least number of passes, whether they are soil or asphalt compactors. Compactors have a few more benefits. The exposure of construction, which fuels fast urbanisation, is projected to result in a significant demand for compaction equipment globally throughout the course of the projection period.

A lot of infrastructure development projects are currently underway in the Middle East, Africa, and Asia Pacific, where businesses are investing in compaction equipment and related items. In a similar vein, businesses are choosing to expand their reach and hold onto their place in the cutthroat market by engaging in mergers and acquisitions and working with regional players. For instance, Deere &

Company purchased Wirtgen Group in 2017 for around \$5.2 billion in order to increase the construction equipment industry's alternatives for global distribution. Furthermore, in order to cater to the diverse earthwork compaction applications in India, AB Volvo developed SD100BA, a new range of single drum smooth wheeled compactors, in 2017.

According to a report from Off-Highway Research, "The compaction equipment demand in the country is mainly met through local production, and imports remained insignificant at 1 per cent in 2021. The scale of planned infrastructure development in the country, especially the road sector, is huge, which will continue to drive the compaction equipment market for many years to come. However, demand is likely to decline by 8 per cent in 2022



due to a slowdown in road laying activities, implementation of CEV-IV emission norms from April 2021, and high commodity prices but is projected to grow thereafter to reach 5,000 units by 2026.”

CEV-IV is the new emission regulation for tyred construction equipment in India. This has impacted the cost of the new machines. In addition, rising commodity prices and inflation have also had an impact this year. Off-Highway Research found that machine prices have risen by 5 to 7 per cent this year as a result of the two factors. Running costs are also higher due to the increased cost of fuel.

“However, the simple truth is that there is a massive amount of work yet to be done in the road sector, and this will call for large volumes of equipment to complete it. How large those volumes will be is totally dependent on the government’s effectiveness in facilitating project execution and addressing key impediments,” said the report.

Due to the rapid infrastructure development in developing nations like India, China, Indonesia, Kuwait, and Qatar, the compaction equipment industry in the Asia Pacific and the Middle East is experiencing domination. There are several engineering and building projects occurring in these developing nations. Governmental organisations are putting their attention on organised facilities in the fields of healthcare, transportation, and tourism.

Manufacturers are concentrating on releasing compaction machine types that use little fuel and need little

## QUICK BYTES

- The compaction equipment demand in the country is mainly met through local production, and imports remained insignificant at 1 per cent in 2021.
- CEV-IV is the new emission regulation for tyred construction equipment in India. This has impacted the cost of the new machines.

upkeep. Suppliers are focusing on developing machines that would be appropriate for Indian working circumstances as competition among them grows. More work cycles might be performed on these machine models. The key concerns for manufacturers of compaction equipment from their most recent units continue to be performance and productivity maximisation.

### Market trends

The compaction equipment market in India peaked at almost 5,700 units in 2018. It has since declined, as have equipment sales in general, due to the pandemic in 2020. Sales last year stood

at just above 4,500 units as a result. However, according to a report from Off-Highway research, the demand for compactors is set to return to 2018 levels. The government of India has come up with ‘Vision 2030’ initiative aiming to be a \$5 trillion economy by 2025 and \$10 trillion economy by 2030, the foremost dimension of achieving this vision is to build physical infrastructures such as next-generation roads, railway, seaport, airports, urban transport, and inland waterways which needs requires compaction machines equipment.

The Indian construction equipment market will primarily be driven by construction, mining and other infrastructural development activities, which will be supported by the macro-economic situation, policy and reforms, and availability of funds.

The general atmosphere for the infrastructural development in the country is conducive for growth in construction and mining activity.

The highly ambitious National Infrastructure Pipeline (NIP) with an investment of Rs111 trillion during 2019-2024, will change the landscape of infrastructure development in the country if it is implemented with the same zeal in the way it has been

planned. Energy (24 per cent), roads (18 per cent), urban development (17 per cent) and railways (12 per cent) will together account for over 70 per cent of the projected capital expenditure for NIP.



**Himanshu Sharma,**  
Head – Marketing  
& Corporate  
Communication, B&R  
Industrial Automation



## Completely integrated automation for mobile machinery - X90

**B&R**



**The rise in the development of transportation infrastructure is driving the market for compaction equipment.**

Said Himanshu Sharma, Head – Marketing & Corporate Communication, B&R Industrial Automation, “The current innovative trends in this industry are exponentially high, looking at the new buy out strategies and the development of newer machines, changing the old-fashioned way of equipment and inculcating innovations to it, it is very clear the industry is boosting high. Also, the construction sites have newer projects, developments seen in industrial sector of manufacturing construction equipment has given new dimensions in manufacturing and in turn the upliftment of urbanisation is rapidly changing the face of the city. It is seen as per recent reports that the growth of the earthmoving equipment market will significantly contribute to the growth of the construction machinery market, which is expected to increase exponentially in coming years. Thus, as the consumer demand is increasing there has been a significant uplift of market size too.”

He added, “Also, it has been seen manufacturers are more engaged towards building multifunctional tools, this reduces your expenses and uplifts the demand of the product as this is the need of the hour. Companies are

investing more from where they can reduce the overhead expenses and invest on tools and software which can perform more than one function and reduce the load of the overall equipment. Thus, manufacturers worldwide are investing on their design, research and development teams to bring out a product that is sustainable, provides fewer breakdowns and has multi utility.”

“To accelerate infrastructure development as well as implement execution and holistic planning to improve logistics efficiency, the government announced the Gati Shakti-National Master Plan in 2021. The focus on infrastructure continued in 2021-22 too. However, the CE industry contracted by 11 per cent mainly due to the impact of change in emission norms for wheeled construction equipment to CEV4,” said **BKR Prasad, Head – Marketing and Product Development, Tata Hitachi Construction Machinery.**

### **Demand drivers**

Key factors driving the compaction equipment market include rapid urbanisation, a rise in the development

of transportation infrastructure, the demolition of old sites, and the construction of new ones. A major shift from labour-centric approach toward mechanisation is also likely to be a significant driving factor for the compaction equipment market during the forecast period. The trend of offering compaction equipment on a rental basis has been growing.

The India compactor market is expected to witness significant growth over the coming years on

account of several upcoming projects such as the expansion of public infrastructure, the establishment of new industries as well as a growing number of small and medium enterprises (SMEs) in the country.

The market is anticipated to register growth during 2020-2026. The government of India and Invest India have come up with “India

Investment Grid” (IIG) aiming to provide different investment options to global investors in 5,000 projects from across the

36 states and union territories.

Such initiatives would create ample demand for compactor equipment in the Indian market.



**BKR Prasad**  
Head – Marketing  
and Product  
Development, Tata  
Hitachi Construction  
Machinery





DRIVEN BY POSSIBILITY™

# CONTINUOUS INNOVATION ISN'T JUST WHAT WE DO. IT'S WHO WE ARE.

## INTRODUCING MEGASYS™ MXG™ 5K HYDRAULIC HOSE

MXG™ 5K is a superior design-in option or replacement hose solution across a wide variety of industries, including injection molding, heavy manufacturing equipment, mining, forestry, construction, agriculture and logistics, among others. MXG™ 5K exceeds the performance of wire spiral constructions, but with lower weight and flexibility driven by Gates materials science technology. Built with Gates patented Xpiral™ woven spiral technology – a breakthrough construction that exceeds all industry standards and most published competitive hose performance in terms of both pressure and impulse life.

MXG™ 5K lasts longer in the factory or field, including applications in the most extreme conditions.

### FEATURES + BENEFITS

- 1,000,000 cycle impulse life exceeds industry standards
- Compact construction with excellent flexibility and lower force-to-bend (force-to-bend is 25% better and OD is 5% smaller)
- 20% lighter weight for easier handling and installation
- Gates XtraTuff™ Plus cover comes standard on MXG, providing abrasion and ozone resistance
- Exceeds all criteria of ISO 18752 350DC; exceeds performance criteria of SAE 100R13, EN856 R13, ISO 3862 R13
- Temperature range: -40°F to +250°F (-40°C to +121°C)
- Certified MSHA Flame Resistant



#### GATES INDIA CORPORATE OFFICE:

3rd Floor, Bldg. #10, Tower C, Cyber City, Phase -2, Gurgaon, Haryana - 122002

[www.gates.com/in/en](http://www.gates.com/in/en)

[customer.care@gates.com](mailto:customer.care@gates.com)

+91 124 4933535

[f gatesinindia](https://www.facebook.com/gatesinindia)

[in company/gates-corporation](https://www.linkedin.com/company/gates-corporation)



Many companies have launched new models in soil and asphalt compactors or have upgraded the models with advanced features.

### Ground-breaking tech

Companies are investing in compaction equipment and related products mainly in APAC and MEA, where a large number of infrastructure development projects are in progress. Developing economies have a large number of projects ongoing in terms of engineering and construction. Government bodies are focusing on structured facilities such as hospitals, transportation, and tourism, which is boosting the market for compaction equipment.

Many companies have launched new models in soil and asphalt compactors or have upgraded the models with advanced features. At present, all CASE India equipment is furnished with in-built safety features, fuel efficiency, etc. Apart from these, in order to ensure the safety of a machine, CASE India has introduced Eagle-Eye telematics, a GPS-tracking system in its loader backhoe range. This monitoring system provides diagnosis alerts remotely. Another innovative feature is the Compaction Meter, which determines the density of soil and other material.

It acts as a defense mechanism

against unseen soil compaction. This system helps in analysing the amplitude, frequency, and ICV (intelligence compaction value), which helps in avoiding over-compaction.

CASE's award-winning compactor range and road equipment already come equipped with a multitude of smart features such as an eagle eye telematics system which helps in monitoring the performance, security, and efficiency of the machine in real-time. Our soil compactors offer great manoeuvrability through their 15-degree drum oscillating angle, 37-degree steering angle, and short steering radius that allows the operator to handle the equipment smoothly and cautiously through the site. Our 1107 Ex compactor comes with a 4 pins central joint which makes the machine reliable and robust enough to be used in harsher conditions. It also comes with a round safety handrail to make the machine easy to use for the operator. Additionally, our machines come equipped with our renowned FPT

Industrial engine, which provides faster response time, and up to 10 per cent better fuel economy.

At Excon 2022, CASE India displayed 10 models at the exhibition from its existing range of equipment, including 952 EX and 450 DX vibratory compactors. Said **Alok Jha, Director – Sales and Marketing, India and SAARC, CASE Construction Equipment**, “CASE offers a range of compactors for the domestic and global markets. The new Soil Compactor

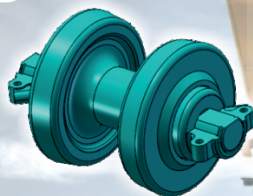


**Alok Jha**  
Director – Sales  
and Marketing,  
India and SAARC,  
CASE Construction  
Equipment

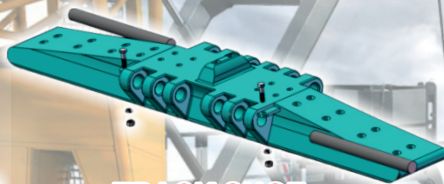
1107EX features a standard drive and smooth drum for multi-purpose activities and standard compaction jobs. The 1107EX PD with pad foot drum and double drive is designed for compressing more cohesive materials. It also offers a 25 mm drum and turbocharger with pre-cleaner as a part of its clean and quality design.”

“We are leaders in compaction equipment in which we have a market share of 28 per cent. We are spread all across the country – right from Ladakh in the north to Kanyakumari in the south, and from Jamnagar in the

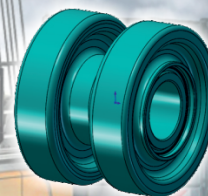




TOP ROLLER



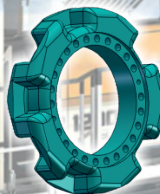
TRACK SHOE



BOTTOM ROLLER



IDLER



SPROCKET



+91-9811039349  
+91-9820710411

Leading Supplier of Undercarriage Parts for Crawler Cranes

KOBELCO

TEREX  
DEMAG

AMERICAN

HITACHI

SANY

XCMT

**CRANECO SPARES CORPORATION**  
(Established Since 1996)

B-36, KESHOPUR INDUSTRIAL AREA, VIKAS PURI, NEW DELHI-110018 (INDIA)  
● essaargroup.com ✉ info@essaargroup.com



**bauma CONEXPO INDIA**

India Expo Centre, Greater Noida / Delhi NCR

**31 Jan. - 03 Feb. 2023**

**VISIT US**



Booth: H11.I65

Hall No: 11

**Equipment**  
INDIA

**S:** Sustainability  
**AF:** Alternative Fuel  
**E:** Electrification  
**R:** Rental

**Focus on**

'Sustainable products driven  
by artificial intelligence and  
cutting-edge technology.'

Issue Closes on 25<sup>th</sup> February 2023

**FOR ADVERTISING**

Adsales@EquipmentIndia.com

**WEST/MUMBAI:** Deepti Thakkar +91 8422874027

**NORTH:** Sanjay Kumar Jain +91 84228 74040

**SOUTH:** Sudhir Patton +91 8422987406

**EAST: KOLKATA:** Abhijit Saha +91 8422874022



INSTANT  
ADVERTISEMENT

**March 2023**



**BOOK YOUR  
AD SPACE  
TODAY !**

**ASAPP**  
INFO GLOBAL GROUP

**ASAPP INFO GLOBAL SERVICES PVT. LTD.**

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

www.EquipmentIndia.com



west to Arunachal Pradesh in the east. We have more than 200 touchpoints, 66 dealers, and one factory in India. We also have a couple of retail offices,” says Jha.

Nowadays, due to stringent government mandates and consumer preference for connected vehicles, the adoption of telematics is on the rise. As the maintenance for heavy-duty vehicles is more costly as compared to normal vehicles, advanced telematics helps in reducing the overall operating cost. Manufacturers in the soil compaction machines market offer service contracts and extended warranties to control operating costs throughout the lifespan of the machines. Following this trend, renowned players in the soil compaction machines market such as John Deere and Volvo introduced machine monitoring services recently. The adoption of advanced telematics to reduce operating costs is likely to gain further momentum in the soil compaction machines market in the coming years.

JCB116 soil compactor, the VMT860, is a tandem roller and the VMT330, is a smaller 3T category tandem roller. Exclusively designed to cater to the road construction needs of its customers, JCB Road Solutions offer a comprehensive range. Every JCB compactor is equipped with unique features and a robust structure. Designed for productivity, the range is suitable for various projects, depending upon the volume of compaction work. Whether it is a single drum soil compactor or a vibratory tandem road roller,

every JCB Compactor offers high efficiency and productivity.

Vogele has been the industry pioneer for asphalt pavers. It can pave from 1.5 m paving width to a maximum of 16 m. Several innovations like the pressure bars and electric heating of the screed, Niveltronic plus operating concept and ergo plus operator features have been introduced. Hamm compactors are equipped with an isolated operator platform mounted on shock absorbers so that the vibrations are reduced. The operator platform is with antiskid material to ensure operator safety. The engine compartment is closed with FRP hood in Hamm compactors, which reduces the noise levels. ROPS/FOPS requirement is currently not mandatory as per Indian regulations however it can be provided as an option.”

**Vivek Hajela, Head & General Manager, Construction Equipment Business, Larsen & Toubro,**

said “L&T had pioneered the concept of vibratory compactors in India with the introduction of Albaret products way back in 1978. Later in 2015, L&T once again forayed into the compactor market with its 100 per cent indigenous effort. The soil compactor, L&T 1190 was introduced first in October 2015, followed by the tandem compactor, L&T 990 a few months later. The L&T 491 mini compactor was introduced in 2017. In order to further expand the range, the pneumatic tyred roller, L&T 2490 was introduced in 2018. All these machines have worked in a variety of applications and around 3000 L&T compactors have been supplied till date.”

He added, “We are offering L&T DigiEye as an optional fitment on the L&T compactors. This digital technology helps in tracking the equipment performance, fuel consumed and machine location. The use of telematics by end-users is slowly

catching up, but still, actual utilisation is low. Many fleet owners feel the need to monitor the machines remotely. In the CEV-IV compliant machines, this option of L&T DigiEye is offered. compaction meters is another concept that is offered on L&T soil compactors and this helps the operator in knowing if the desired levels of compaction have been achieved.”

Recently, L&T Construction & Mining Machinery reached a milestone in the supply of indigenous equipment with the successful delivery of the 3000th L&T compactor. The roll out of this 3000th machine reinforces LTCEL's leadership in manufacturing indigenously-designed equipment and paves the way for fulfilment of Atmanirbhar Bharat

mission launched by the Government of India. L&T has been successful in exporting these compactors to SAARC and African countries as well. L&T compactors, launched in 2017, have fast penetrated the Indian market and are a preferred choice of customers given their excellent quality and reliability.



**Vivek Hajela**  
Head & General  
Manager, Construction  
Equipment Business,  
Larsen & Toubro

## Road ahead

Manufacturers are also focusing on coming out with machines that are fuel-efficient and require minimal maintenance, all adding to the good news for contractors. With competition, intensifying suppliers are concentrating on coming out with machines that would ideally suit Indian working conditions, where typically these machines would be put through more work cycles, as compared to the developed world. Manufacturers are also focusing on coming out with machines that are fuel-efficient and require minimal maintenance, all adding to the good news for contractors. With competition, intensifying suppliers are concentrating on coming out with machines that would ideally suit Indian working conditions.







**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](mailto:sales@teksonsradiators.com) • [www.teksonsradiators.com](http://www.teksonsradiators.com)



Scan to read



# SAFETY IN SELECTING THE RIGHT EQUIPMENT

Manufacturers are redesigning the compaction process from the ground up in order to overcome the main challenges posed by conventional compaction rollers.



**T**he top priority in road building is crew member safety. But conventional compaction equipment is about as inflexible as it gets. Operators sweat down the sloping road shoulders and ditches, risking a rollover but praying for the best as they feel every degree of slope. Although rollover protective structures (ROPS), seatbelts, and personal protective equipment (PPE) like hard helmets have been demonstrated to be effective at saving lives in compactor rollover accidents, they are not very effective for averting a disaster altogether.

Some manufacturers are redesigning the compaction process from the ground up in order to overcome the main challenges posed by conventional compaction rollers, including risk, excessive maintenance, and limited utility. When considering a new compaction roller, here is what

to look for.

## Safety-focused design

Manufacturers' perception that the compaction drum is a source of motion, compaction, and stability all in one has been the main barrier to compaction safety. On the other hand, the safety concern is quickly resolved by moving the drum to an offset arm attachment. The compaction roller can now be linked to graders, compact track loaders, wheel loaders, or skid steers as an accessory. These hosts offer a separate source of power for the compaction drum as well as stability and operator safety due to the offset arm.

With this configuration, an operator is now able to compact level areas as well as run the host machine on flat ground while the arm extends to the farthest, steepest edge of sloping road shoulders and ditches. Improving safety to this extent puts a

major dent in workers comp claims, lowers insurance premiums, and increases safety ratings — a necessity to contractors bidding on competitive jobs.

Shifting the drum to an offset arm attachment drastically improves safety, but it can also unlock a host of other benefits.

## Minimal maintenance downtime

The onboard engine, transmission, and other connected equipment are no longer present because the compaction roller is now an independent device. Look for an attachment that offers a universal mounting pad and straightforward hydraulic connections for a smooth setup and disconnect to the host machine to further save downtime.

Think about remote-controlled possibilities as well. The operator can make all adjustments from the palm of their hand and without leaving the host machine's cockpit using certain compaction roller attachments that can be quickly attached to the remote.

Typically, aside from a handful of grease fittings to maintain and clean off debris, compaction roller attachments have no maintenance to speak of — no more oil changes, filters, transmission fluid or any hard parts to wear and break. This can make for 90 per cent less maintenance over self-propelled machines. Cutting out the unnecessary bulk seen with traditional compaction machines also allows manufacturers to design a more compact, versatile machine.





### Easy adjustability and transportability

Since the compaction drum no longer needs to support and move the machine, manufacturers may now offer variable drum diameters to accommodate different applications from clients. Contractors would need to buy several self-propelled machines, each with an engine and transmission that will ultimately fail

and require upkeep and pricey repairs, in order to achieve the same benefit as conventional compaction machines. Transport is also made simpler by the compact size of compaction roller attachments. A typical pickup truck can pull many of these, and they can all fit on a shared trailer with the host equipment.

Look for a device that not only enables remote-controlled

modifications of the attachment arm but also of the drum itself for more adaptability. Some drums have a 30-degree pivot and can extend up to 30 inches below the mounting point of the arm. Because of this, slopes at different angles can be compacted by the roller without difficulty.

Compaction roller attachments can easily surpass their conventional equivalents in every way during a busy roadwork season. These attachments prevent an engine from lying idle and progressively deteriorating into a surprise repair charge when the next season comes along. But more crucially, offset-designed compaction roller attachments boost crew safety and offer a multipurpose piece of machinery that will outlast any conventional compaction machine in a road crew's fleet. Customers may buy with confidence knowing that they will receive the best possible return on their investment.



## Infrastructure<sup>®</sup> TODAY

India's Premier Magazine for Nation Builders

### 17<sup>th</sup> ANNUAL ISSUE IS OUT!

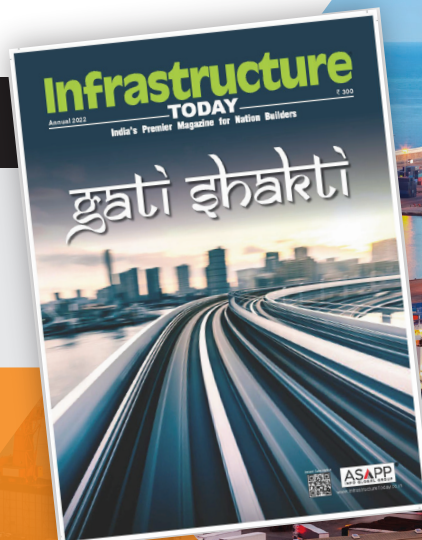
Articles from following sectors:-

Transportation, Steel, Environment, Economy, Renewable, Urban, Finance, Power, Logistics, Roads

## THEME: PM GATI SHAKTI

## HURRY! BOOK YOUR COPY NOW

CALL SUBSCRIPTION TEAM : 8657581494 / 8422874048,  
Email at [Subscriber@ASAPPinfoGLOBAL.com](mailto:Subscriber@ASAPPinfoGLOBAL.com)



SUBSCRIBE NOW!

# BRINGING THE CE INDUSTRY TOGETHER

Scan to read



As one of the largest trade shows for the construction machinery sector, bauma CONEXPO INDIA enjoys support from important policy influencers in the Central and State governments.



**A**s bauma CONEXPO INDIA returns after four years, the focus is back on heavy vehicles and equipment that can potentially accelerate India's ambitious development goals. With nearly \$1 trillion in investments outlined by the Government of India towards developing critical infra projects under the National Infrastructure Pipeline, this trade show comes at an opportune time when such projects are being fast-tracked throughout the country, particularly in North India. North India has emerged as the epicenter of infra-development in the country, and this trade show in Greater Noida will bring together all the

important stakeholders and decision-makers in the construction and infra-development sector.

**Bhupinder Singh, CEO, bauma CONEXPO INDIA**, said, "bauma CONEXPO INDIA 2023 will be the first and largest international fair on



**Bhupinder Singh**  
CEO, bauma  
CONEXPO India

Construction industry in India post Covid times and will be a most important meeting place for the Indian construction machinery industry being the gateway for international enterprises to the Indian market."

Singh further added that "the event is also a fine platform to interact with top decision-makers, create global connections, and meet potential buyers. In addition, bauma

CONEXPO INDIA also features a Buyer Seller Forum – which is a robust platform to bring together technology providers and buyers at the same platform."

## Leverage high-powered networks

As one of the largest trade shows for the construction machinery sector, bauma CONEXPO INDIA enjoys support from important policy influencers in the Central and State governments, as well as collaborations with key industry associations like ICEMA, BAI and NAREDCO. This edition has been endorsed by the Honourable Minister for Road, Transport and Highways, Nitin J Gadkari, as well as the National



Highways Association of India (NHAI) and National Small Industries Corporation (NSIC). As a build-up to the show days from January 31 to February 3, 2023, the trade show will be hosting specially curated roadshows in Delhi, Lucknow, Jaipur, Bangladesh and Nepal to engage with the main equipment buyer communities in these places. There will also be networking opportunities with contractors and builders across Tier 2 and 3 cities of North India through Bharat Nirman Mahotsav, a vehicle that will promote the trade show among the main buyer groups in these cities.

With transport and connectivity projects in the National Capital Region (NCR) drawing appreciation from builders and contractors all over the country, there is growing excitement about this edition's venue at the India Expo Centre in Greater Noida. This venue offers seamless connectivity for business visitors and world-class facilities like e-mobility charging stations, adequate parking and availability of quality hotels, restaurants, and recreation options in the vicinity.

The construction industry with emphasis on urban housing and infrastructure has become the cornerstone to push the Indian economy to newer heights. Thus, India is already staring at a construction boom with the government and large corporates committing to huge capital investments, policy and structural changes to achieve national targets.

The construction industry market in India works across 250 sub-sectors with linkages across sectors. By end of 2023, India is expected to become the world's third-largest construction market and by 2025 the construction Industry in India is expected to reach \$1.4 trillion while the real estate industry in India is expected to reach \$1 trillion by 2030 and will contribute 13 per cent to India's GDP.

### Growth drivers

Cities are the future driver of

growth. By 2030, more than 40 per cent of the population is expected to live in urban India (33 per cent today), creating a demand for 25 million additional mid-end and affordable units. By 2030, urban population will contribute 75 per cent of GDP (63 per cent present), and 68 cities will have a population of more than 1 million.

Concurrently, more and more smart cities will improve the quality of life through modernised/technology-driven urban planning. Schemes such as the revolutionary Smart City Mission (target 100 cities) are expected to improve quality of life through modernised/technology-driven urban planning which will again spur construction demand. In addition, 54 global innovative construction



One of the key highlights of this edition will be the curated conferences for the mining sector, especially pertaining to energy efficiency.



technologies have been identified under a technology sub-mission of PMAY-U to start a new era in the Indian construction technology sector.

Subsequently, increasing demand for commercial space such as office, hotels, retail, entertainment units will elevate construction industry. For record, the net office space absorption across India's largest six cities stood at 31 million sq ft in 2020.

Mega infrastructure projects like 11 planned industrial corridors, super data centres and chain of cold storage across India will call for construction machinery, technology at unprecedented scale. Real estate demand is set to increase by 15-18 million sq. ft. by 2025 across major cities.

### Global appeal, Indian spirit

With heritage from the bauma

network of trade shows in Munich and China, as well as partnership with one of North America's largest fairs CONEXPO, this trade show in India offers all participants a unique customer experience through live product demos, knowledge-sharing at conferences, buyer-seller meetings, and business-to-government sessions.

One of the key highlights of this edition will be the curated conferences for the mining sector, especially pertaining to energy efficiency and safety measures. There will also be conferences focussing on the construction equipment industry's skill-building initiatives to create quality jobs in this space. These sessions are being co-created with industry associations and skill development councils through special training programmes, including classroom programmes and practical sessions.

### Investment flow

A new World Bank report estimates that India will need to invest \$840 billion over the next 15 years—or an average of \$55 billion per annum—into urban infrastructure if it is to effectively meet the needs of its fast-growing urban population.

The overall infrastructure investment is anticipated to grow between FY21 and FY26 at a CAGR of 11.4 per cent, thanks to spending on urban infrastructure, transportation, and water supply. Infrastructure investment was around 5 per cent of GDP in the 10th five-year plan compared to 9 per cent in the 11<sup>th</sup> plan.

So, don't miss the opportunity to participate in the event where construction history will be created. Join us at bauma CONEXPO INDIA 2023 from January 31 to February 3 at the India Expo Centre in Greater Noida to enable meaningful handshakes and unlock business opportunities for you and your company.



# "WE WILL BE LAUNCHING 14 NEW PRODUCTS."

Scan to read



**VG Sakthikumar, Managing Director, Schwing Stetter India,** speaks on the market for their products in India.

## **bauma CONEXPO is returning after a gap of almost four years. What has been the past experience at the event?**

We have always been a vivid supporter of BC India since its debut in India. We look at it as a platform for us to bond with our customers in the North and eastern region. We are looking forward to this edition as a big event after four years, to connect with our customers and also to showcase our latest range of products.

## **What are the key products on display during bauma CONEXPO? Explain in detail.**

Schwing Stetter India will be launching 14 new products in the BC India Show along with our regular products such as batching plants, concrete pumps, recycling plants,



TSRs, self-loading mixers wheel loaders, excavators, piling rigs, truck cranes, horizontal directional drilling machines.

## **How do you look at the market in India for your products?**

Schwing Stetter India is a leading provider of construction equipment in the Indian market, offering a comprehensive range of products including concrete batching, concrete transport, concrete pumping, earthmoving, and road construction equipment. The company is known for its world-class product range, customised and complete package offerings for projects, and a wide range of variants to suit the needs of all customers, from small real estate developers to large construction conglomerates.

In addition to its state-of-the-art manufacturing facilities, Schwing Stetter India also provides unbeatable after-sales support with a pan-India presence and a commitment to continuous innovation through in-house R&D. The company's latest offerings feature cutting-edge technology to ensure maximum efficiency and productivity on the job site.

## **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 National Infrastructure Pipeline programme is an excellent initiative by the Government which had an outlay of Rs 111 lakh crore, exclusively for infrastructure development. The Bharatmala and Sagarmala projects are one of the biggest investments in the NIP which has been reinforced by the Gati Shakti



Aerial view of Schwing Stetter's state-of-the-art factory.





**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-cranes.com**

**Action Construction Equipment Ltd.**

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

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



project under which the government aims to build a robust high-speed road network across the country. The progress of these schemes will result in India becoming the world's second-largest road network with a total of over 62 lakh km of road connectivity.

SCHWING Stetter India is proud to have supported many construction companies with the finest concreting and construction machinery in this endeavour. SCHWING Stetter India has been a synonymous brand name when it comes to concreting and construction machinery. Our record-breaking engineering has helped us retain a top position in the construction equipment industry in the past two decades. Our concrete batching plants in H2.25 capacities, M30 and other variations along with transit mixers and concrete pumps have been heavily inducted in large-scale projects. Our 36- and 43-m boom pumps have also been in demand for Bharat Mala projects and hydropower projects across the country. Apart from the concrete machinery, our earthmoving equipment from XCMG like excavators, wheel loaders, motor graders and piling rigs have found a huge space in projects that come under NIP.

### **What are the various challenges faced in the sector you are in?**

There are certain sectors in the construction industry where electrical and hybrid systems can be a part of the construction equipment but there lie many challenges such as optimum battery availability in mass quantity, power-to-weight ratio calculations, price constraints, mass producing constraints, and technological know-how transfer from the peers. SCHWING Stetter is continuously innovating and we are looking to bring out a fully built electrical version of our shotcrete pump very soon. When this EV version is launched, it will remove the effects of operating fuel-based vehicles in tunnels.



**Schwing Stetter has invested around Rs 350 crore in the Chennai global manufacturing hub and is planning to invest additionally.**

Our global manufacturing facility in Chennai was built to offer a wide range of machines and equipment locally as well as globally. With this facility, the supply chain management has become efficient due to the proximity of the various vendors and the challenges faced earlier have become redundant. The addition of GmH to our production facilities has provided us with the answers to all challenges related to our industry while also adding to our production capacity and our endeavour to create an industry 4.0 inducted manufacturing facility.

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

Schwing Stetter has invested around Rs 350 crore in the Chennai global manufacturing hub and is planning to invest additionally. The investments made so far are as per the requirements prescribed by Global Investor Meet (GIM) and the memorandum of understanding signed with the Tamil Nadu government.

With this facility addition, Schwing Stetter has become the biggest subsidiary in the group and its parent company. With this, we do have huge plans to innovate on new products and equipment.

### **How was the year 2022 in terms of performance? What is your company's plan for 2023?**

Last year (in 2021), Schwing Stetter India witnessed its highest turnover since its stint in India, notwithstanding the pandemic and global slowdown. But the steep hike in steel prices and other allied cost increases are a worry which has been to an extent addressed through the lean manufacturing process, JIT practices, and the digitalisation of aftersales support networks such as e-commerce platforms for customers. We expect our turnover to increase by 53 per cent this year based on the sales projection, and due to an increase in the product portfolio of the Schwing Stetter table. Close to 28 dealers have been appointed pan India to reach this target and we have crossed this target as of December 2022.





# "WE ARE LAUNCHING NEW 'MADE FOR INDIA' TYRES."

Scan to read



**Rajiv Poddar, Joint Managing Director, Balkrishna Industries,** shares information on the investment made in the Indian market.

## **bauma CONEXPO is returning after a gap of almost four years. What has been the past experience at the event?**

We are very excited to be participating in bauma CONEXPO INDIA 2023 after the pandemic hiatus. Bauma CONEXPO India is one of the powerful platforms that allows industry leaders to come together and exhibit the latest technology within the construction and mining industry. It encourages and provides a space for innovation, technological solutions, and digital integration. We have regularly participated in this event as it allowed us to interact with our buyers and customers and understand their needs and demands while displaying our best technology and getting an insight into what trends are shaping the future of these sectors.

## **What are the key products on display during bauma CONEXPO? Explain in detail.**

This year at Bauma CONEXPO, we are launching new 'Made of India' tyres for the infrastructure, construction,



and mining sector. Like all BKT products, the new tyres under the EARTHMAX series stem from the continuous feedback shared by users. We have conducted a deep analysis of the market and delved head-first into developing and designing the latest and most effective products for the construction and mining industry. We have been championing the motto 'Right Tyre for Right Application' and with research, top-notch technology, a

highly-abled product development team, and an excellent team of engineers, we have worked on various products for the mining and construction industry.

At bauma CONEXPO, we will showcase class-leading product solutions that exhibit world-class innovation in design, performance, efficiency, and reliability.

## **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 focus on infrastructural development, we are predicting steady growth in demand for tyres from the construction sector for the coming few years. The Indian market is growing at a rapid rate and is providing opportunities to grow our footprint. We too are developing India-centric products, be it for Mineforce for the mining sector or Commander series for the agricultural sector, or the to-be-launched additions to the Earthmax series. We have more than 1100 SKUs dedicated to the Indian markets, which are created with a keen focus on quality, which is our top priority. This applies to all our products across the world, to all our systems and services. What bears testimony to this fact is the acceptance that BKT tyres have found amongst high-quality conscious European and American users.

We are continuously investing in our R&D teams to understand the increased demand and needs of the



**BKT's state-of-the-art plant at Bhuj.**



**BKT has five manufacturing plants all in India.**

OTR sector and to design new and innovative products with the latest technology that cater to the changing needs of the OTR sector.

### **What are the various challenges faced in the sector you are in?**

As other industries, we too have been battling the surge in the cost & availability of raw materials, rising fuel costs, and the inbound & outbound logistics costs due to the war. However, we are well placed and all geared up to take on these challenges and have managed to overcome them with a strong strategy in place.

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

As you know, BKT tyres are entirely 'Made in India'. Over the years, we have not only increased production plants in number and size, but we have also intensified and diversified operations and processes.

As of today, we have five manufacturing plants all in India. Two of those are in Maharashtra - Aurangabad in Waluj, our first

production plant, was inaugurated back in 1988, and spread across 43 acres & with an installed capacity of 170MT. Our other two plants are in Rajasthan. The Bhiwadi plant was set up in 2001, with an installed capacity of 175MT on 15 acres of land. The second plant is in Chopanki, which was opened in 2005, and is spread across 25 acres of land with an installed capacity of 190MT. Our latest plant is based in Bhuj, Gujarat, which was launched in 2011 and is spread across 450 acres with an installed capacity of 675 mt.

In all, we have a total install production capacity of 2,00,000 MTPA of specialised mobility solutions, which are exported to more than 160 countries worldwide. In addition to 1 mould plant and 1 carbon manufacturing unit, which gives us major autonomy thus reducing dependability on the third party. We even have three R&D centres - one in Chopanki and two in Bhuj.

### **How was the year 2022 in terms of performance?**

Our performance in 2021-22, demonstrates the outcome of our long-term strategy to capitalise on our

increasing scale while, at the same time, maintaining business agility. We reported strong revenues of Rs 8,697 crore and volumes of 2,88,795 MTPA, both growing annually by 46 per cent and 27 per cent respectively. Exports account for 83 per cent of our sales out of which 54 per cent is Europe, 17 per cent is the US and the rest of the world is 12 per cent. The remaining 17 per cent is domestic sales. We continued to remain the preferred choice of our customers and we further aim at maintaining leadership in product quality.

### **What is your company's outlook for 2023?**

After facing almost two years of adversity due to the Covid pandemic, we are very optimistic about the growing demand for tyres particularly in the OHT segment despite current adversities like supply chain bottlenecks and unprecedented increases in freight. More so, considering the increased demand from the agriculture, infrastructure, construction, and mining industry, we see a continual development for replacement and OEM tyres with improved market share.







# AUTHORISED DISTRIBUTOR FOR GJJ IN INDIA



**SALES &  
RENTAL**



**EVEREST ENGINEERING EQUIPMENT PVT LTD**



B 1201-1202, Shelton Sapphire, Plot 18-19, Sector 15,  
CBD Belapur, NaviMumbai, India 400614.

Contact: +91 22 27570729 / +91 22 20871145 / +91 8108589896  
sales@everestengg.in

**GJJ**

# "WE WILL FOCUS ON CE FOR ROAD & RETAIL SEGMENTS."

**Dimitrov Krishnan, Managing Director, Volvo CE India, speaks on company's past experience at bauma CONEXPO.**

Scan to read



## **bauma CONEXPO is returning after a gap of almost four years. What has been the past experience at the event?**

Bauma CONEXPO is a must-attend event for anyone associated with construction equipment or infrastructure development. The last edition in 2018 was a great event with participation by leading industry experts, hundreds of exhibitors from many countries, and thousands of enthusiastic customers and prospects. We expect this edition, returning after a gap of four years, to be even more spectacular – both in scope and range.

## **What are key products on display during bauma CONEXPO? Explain in detail.**

For bauma CONEXPO, Volvo CE India will focus on construction equipment for road and retail segments. On display will be the Volvo EC210D crawler excavator with quick coupler plus HB22 breaker. Versatility and complete ease of operation are hallmarks of this product.

Also, on display would be EC300DBH, custom-built for the quarry. It is armed with a heavy-duty lower frame and toughened undercarriage components and is powered by a Volvo D7E engine. The EC300DL BH is designed to deliver best-in-class productivity while ensuring lower operating costs and overall operator comfort and safety.

Our exhibit of Road Machine Products will include the Volvo P7320D Track Paver is most recent paver range to be launched in India. The unit offers a winning combination of power, production capacity and



precision for excellent paving quality with perfectly smooth mats. With a Volvo fixed screed, this Paver is proven to be effective when paving up to 700 tons per hour at 9 meters width. This level of throughput makes it versatile enough for a range of applications, including city roads, highways, and waste storage areas.

Not to forget, we have an exciting launch awaiting everyone, and it gives me great pleasure to invite all to our stall O.C10 on the afternoon of January 31, for the surprise reveal.

## **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?**

There has never been a better time for the Indian CE industry than now. Thanks to the Government of India's unwavering focus on Atmanirbhar Bharat and Make in India, a slew of all-new infrastructure development projects have taken shape across the

country and across sectors – from road building, port development, railway network expansion, airport upgradation and waterways modernization to Nal se Jal Scheme, National Infrastructure Pipeline, PM Awas Yojana and Gati Shakti Master Plans and more – assuring robust annual growth for Indian CE Industry in the foreseeable future.

Volvo CE India is well poised to tap into this enormous unfolding opportunity with a full range of products that promise customers the best of both worlds – long life and high uptimes resulting in greater productivity along with low fuel consumption and low-maintenance ensuring reduced daily operating costs. Every Volvo Construction Equipment is designed, engineered and built to be supremely sturdy, reliable, and fuel-efficient, which translates to faster and better returns on investment for customers across every segment.

## **What are the various challenges faced in the sector you are in?**

The growth of the Indian construction equipment industry has been adversely impacted by supply chain disruptions, input cost inflation, and critical electronic components shortages. Combined with limited avenues for customers to purchase equipment, it has placed domestic construction equipment players under twin pressures – in terms of pricing equipment and their ready availability.



**To read full interview, log on to: [www.EquipmentIndia.com](http://www.EquipmentIndia.com).**



# "WE WILL BE COUNTRY'S FIRST MANUFACTURER OF ELECTRIC CE."

Scan to read



**Sorab Agarwal, Executive Director, Action Construction Equipment, speaks on the USPs of the products that will be displayed during the event.**

## What are the key products on display during bauma CONEXPO?

ACE offers one of the most comprehensive selections of cranes and construction equipment in the nation. Our products are tough, trustworthy, and affordable, and they are supported by India's vast network of service and spare parts providers. This strength that is built into our product and business helps customers reach their objectives more quickly and affordably.

In keeping with our commitment to innovation and improvement, we're introducing a fully electric mobile crane that will be on exhibit at bauma CONEXPO 2023, making us the nation's first maker of electric construction equipment. It won't be out of place to state that this device, because of its decreased operating costs, will revolutionise the crane industry. Our internal R&D department has locally developed and evolved the technology. We believe that moving toward electric and even lower emission technologies will give the sector sustainability. In addition to the aforementioned, we will display a 160-tonne crawler crane that was developed locally, which will once again be the largest crane produced in India, as well as scale models of recently created aerial work platforms.

Through our national network of sales and service outlets operating from more than 100 locations around the nation, we provide after-sale service assistance and spare parts to our clients. All of these locations are



fully prepared to offer complementary services and warranty support in accordance with schedules for our various product categories, as well as to offer services and parts to our client base after the warranty has expired. Additionally, we provide fleet owners with reasonably priced annual maintenance packages for the majority of our products and occasionally even full maintenance packages.

## What are the various challenges faced in the sector you are in?

The Indian construction and infrastructure sector has seen good growth in the last few years even though the Covid pandemic did pull back the growth momentum temporarily. Infrastructure development in the nation has been maintained at a good pace because of increased government Capex spending

and policy assistance.

Some of the challenges faced by the construction sector are:

**Lack of skilled labour:** For skilled machine operators and construction workers, the supply does not match the demand. In this industry, finding newly qualified staff, skilled operators, and individuals who can run heavy gear is a significant difficulty.

**Rental penetration:** For a huge percentage of Capex-intensive construction companies, equipment leasing make sense. Sadly, organised rental penetration is not very high in our nation.

**Demand fluctuations:** There is no consistency in the demand owing to the fluctuations in the market thereby making capacity planning challenging for the equipment manufacturers.

**Used equipment market:** The secondary market for used construction equipment is not well developed in India. Thus, the resale of used equipment is a growing challenge for the industry.

**Price-sensitive market:** Since the market is price and value cognizant, the equipment manufacturers are constrained for operating margins.

## How was the year 2022 in terms of performance? What is your company's plan for 2023?

We anticipate that the momentum from the second half of this year's robust equipment demand will continue into the fourth quarter.



To read full interview, log on to: [www.EquipmentIndia.com](http://www.EquipmentIndia.com).

# "DEMAND FOR EXCAVATORS & BACKHOE LOADERS WILL RISE."

**Nischal Mehrotra, VP – Sales & marketing, Liugong India,** speaks on the market in India for their products.

Scan to read



## **Bauma CONEXPO is returning after a gap of almost four years. What has been the past experience at the event?**

There is expected to be a high demand for the bauma CONEXPO event due to the desire for new technology and opportunities in the industry. We have had consistently positive experiences attending bauma CONEXPO India and have benefited from networking with other professionals and showcasing our products and services to potential customers.

As one of the largest trade shows for the construction machinery sector, bauma CONEXPO INDIA enjoys support from important policy influencers in the Central and State governments, as well as collaborations with key industry associations like ICEMA, BAI and NAREDCO.

## **What are the key products on display during bauma CONEXPO? Explain in detail.**

For Bauma CONEXPO, Liugong India will focus on construction equipment for road and mining segments. On display will be the Liugong large capacity excavator – CLG950, CLG965, CLG975, and 5-tonne capacity Electric wheel loader- CLG856H-E, hydrostatic wheel loader, AWP, and a few others. All this product range is highly versatile and provides complete ease of operation in different applications.

Also, on display would be CLG950, CLG965, and CLG975 -built for the quarry. It is armed with a heavy-duty lower frame and toughened undercarriage components and is



powered by a Cummins engine. The CLG856H-E is designed to deliver best-in-class productivity while ensuring lower operating costs and overall operator comfort and safety.

## **How do you look at the market in India for your products?**

The Indian construction equipment market is expected to grow at a CAGR of 8.9 per cent during 2022-2028. The report considers the present scenario of the Indian construction equipment market and market dynamics for the forecast period 2022-2028. It covers a detailed overview of several growth enablers, restraints, and trends in the market.

The study includes the volume and value sales with a segment analysis of the Indian construction equipment market. The earthmoving segment is the largest in the Indian construction industry, followed by material handling and road construction equipment. Excavators and backhoe loaders were the fast-growing major construction equipment in the market in 2021.

The demand for excavators and

backhoe loaders will rise due to various

government investments in infrastructure development, growth in renewable energy, and the country's mining industries.

## **How was the year 2022 in terms of performance? What is your company's plan for 2023?**

In this innovative year 2023, we are adding more value to our offerings by ensuring the availability of our equipment through our integrated local manufacturing, along with strong customer support, for which we are expanding our dealership. Presently, we have 20 dealers in India with 50 customer touchpoints. These dealers also cover Nepal, Bhutan, Bangladesh, and Sri Lanka. We are providing them with the necessary training to curtail lead time and improve the quality of service. They are also being trained on the engineering improvisations being made in our equipment so that they can provide the necessary support and service to our newer population of equipment, alongside our active fleet of 4,000 across various verticals.

We have added advanced telematics to our equipment, as telematics is becoming indispensable with engines migrating to BS-4 electronic-based from the earlier BS-3 mechanical ones. With telematics, our equipment will deliver higher total lifecycle costs to the customer. It will ensure predictive and preventive maintenance by analysing varied operating parameters like fuel consumption, engine performance, etc.







# CRANESAFE Technologies

Please visit  
**CRANESAFE Technologies**  
At bauma CONEXPO INDIA  
at Delhi NCR  
Date 31st Jan to 3rd Feb 2023  
Hall No. 14, Stall No. E39



We have successfully installed  
Indigenously Manufactured  
Cranesafe Complete Crane  
Control System for any make  
and model of Mobile Cranes.

1. Provides complete Crane control for  
Crawler Crane, Telescopic cranes.
2. It consists of combination of Input  
and output cards.
3. Variable Pump control, spool valve  
control.
4. Tele-logic for Boom lock unlock.
5. Gripper control.
6. Speed setting for Individual operation  
is Provided.



Boom Lock Manifold



Customize Hydraulic Valve Block



LOCK/UNLOCK  
MOTOR PUMP  
ASSEMBLY

**CRANESAFE Technologies** is recognized all over India for its Indigenous Mobile Crane Safety Systems (Safe Load Indicator/ Load Moment Indicator), manufactured as per the safety Load Charts.

Unit No:-G7, B Wing, Udyog Bhavan 2, Plot No:-K3, Ambarnath  
Industrial Park, Additional MIDC, Near Anand Nagar, Ambarnath (E)  
Pin No: - 421506 Maharashtra India

Mob No : +91 9820248680  
+91 8850033531  
E-mail : [cranesafeindia@gmail.com](mailto:cranesafeindia@gmail.com),  
[sales@cranesafeindia.com](mailto:sales@cranesafeindia.com)

[www.cranesafeindia.com](http://www.cranesafeindia.com)

# "OUR PRODUCTS HAVE A VERY PROMISING MARKET IN INDIA."

**Piero Guizzetti, CEO, MB Crusher India, speaks on the key products on display during bauma CONEXPO.**

Scan to read



## **bauma CONEXPO is returning after a gap of almost four years. What has been the past experience at the event?**

There is expected to be a high demand for the bauma CONEXPO event due to the desire for new technology and opportunities in the industry. We have had consistently positive experiences attending bauma CONEXPO India since 2014 and have benefited from networking with other professionals and showcasing our products and services to potential customers. The event provides a valuable platform for business opportunities and is a worthwhile experience for industry professionals and companies, particularly after such a long break. We appreciate bauma CONEXPO as it serves as both a networking and transactional platform.

## **What are the key products on display during bauma CONEXPO? Explain in detail.**

At our booth O.F10, visitors will be able to witness live demonstrations of the BF90.3 crusher bucket and MB-S18 screening bucket, which can be used with all types of excavators, as well as the MB-L160 crusher bucket, which is compatible with all backhoe brands and models. We will also display our full range of products and highlight the various ways they can be used in different applications such as crushing, screening, cutting, handling, trenching, and demolition. We are excited to share our innovative solutions with attendees and discuss how they can benefit from our products.



## **How do you look at the market in India for your products?**

MB Crusher's products have a very promising market in India, which is predicted to be one of the top three infrastructure equipment markets for the next decade in terms of percentage and value growth. The company has successfully established a strong presence in the country through its direct distribution channels, and its products have been well-received by customers. In India, we are carefully segmenting the market based on contractors' profiles and specific application requirements.

India is a large and diverse country with varying characteristics of materials across regions and states. By using these two key variables, we are able to provide the right solution for each specific worksite. Having introduced the product category in the market a little over eight years ago, we are online begging to scratch the surface and the medium to long-term prospects are truly exciting.

## **What are the various challenges faced in the sector you are in?**

The crushing industry is highly competitive, with various companies offering a diverse range of products and services, from local fabricators to large multinational corporations. In order to remain competitive, we must continually innovate and adapt our offerings. This involves consistently striving for improvement and investing in research and development to provide the best solutions to our customers. Furthermore, in India, it is critical that the customer feels protected in terms of after-sales service. We are constantly extending our post-sales reach in a capillary manner.

## **How was the year 2022 in terms of performance? What is your company's plan for 2023?**

In 2022, MB experienced a strong year of performance, in spite of the decline seen in earthmoving equipment. Not only were we able to surpass our budget, but we also received positive feedback from our customers regarding our after-sales service. Looking ahead to 2023, we are focusing on expanding our presence in particular and unique end-user applications and promoting our MB-L series, which is compatible with any brand of a backhoe loader. To achieve this, we are arranging a live demonstration of the MB-L160 crusher bucket for BHL at bauma CONEXPO, the first time at such a large-scale event in India. We are very excited to showcase this unique product, which provides unparalleled value to customers by turning any backhoe into a mobile crushing unit.





# "WE PLAN TO GROW BY 13% GROWTH IN TOP LINE IN 2023."

**Ramesh Babbar, President and Director, Columbia Machine Engineering**, speaks on the year 2022 in terms of performance, and the company's plans for 2023.

Scan to read



## **Bauma CONEXPO is returning after a gap of almost four years. What has been the past experience at the event?**

Bauma CONEXPO is the largest show in Northern India in the construction equipment sector with a penetrated focus on construction equipment and machinery. This show has the ability to drive India's building and construction industry which is showing a great boom due to the various schemes announced by the Prime Minister to boost infrastructure. We expect the upcoming edition of Bauma CONEXPO to be much larger and better compared to all previous editions.

## **What are the key products on display during Bauma CONEXPO? Explain in detail.**

As per a recent assessment by Fortune Business Insights, the global construction equipment market, valued at \$133.37 billion in 2020 is expected to grow from \$141.99 billion in 2021 to \$222.14 billion in 2028. In India, construction equipment sector volumes are expected to grow 2.5 to 3 times their current size by 2030. This shall boost the concrete equipment sector, building equipment, and civil engineering sector including residential, commercial, and industrial. A major learning for the construction sector during the pandemic has been ways to navigate strict safety protocols while maintaining productivity.

Technological advancements have ensured remote work sites and mobile access to their bottom line. To be in line with this opportunity, Columbia helps our customers to closely monitor



operations in their plant, check their output, raw material usage, wastage, and much more by introducing IoT devices at our customer plants remotely. This data shall help in further improvements in their plant outputs and uptime. The trial run is successfully taking place at the sites of two of our valued customers for the last 18 months and this year further extending the monitoring at two more locations. Going forward by 2024, this would become a standard feature in all our plants.

Due to the inconsistent availability of manpower and the need for higher outputs, our customers are slowly shifting towards automation with Columbia Model SPM26 and 30 automatic plants. Due to the market need for a higher level of automation and output, we are introducing a Model 50 machine with Pallet Transporter System and Cuber in India. Our quality-conscious customers have started producing 35 mm tiles on our SPM 20 plant to ensure consistency in the quality of the product and to gain a niche in the market.

## **How was the year 2022 in terms of performance? What are your company's plans for 2023?**

The entire industry witnessed huge ups and downs in the last two years. The rapid growth suddenly came to a standstill in March 2020, and there were a lot of apprehensions about the market scenario and the way it would turn in 2021/22.

This adversely impacted the pace of the construction industry in the country and also the supply chain disruptions on the other hand. From January 2022, things started getting better but not as good as the pre covid period.

However, from March 2022, it has shifted gears and we have seen an improved market, newer demands, repeat orders, and higher confidence among the buyers. The numbers have improved drastically for us with top-line growth of 30 per cent as compared to 2019 numbers. We are quite optimistic for 2023 and in the coming years as well. We plan to grow in 2023 by 13 per cent growth in the top line with SPM 20, SPM20+, auto handling of SPM20, SPM26, SPM30, and Model 50.

In addition to this, we are aggressively expanding our reach to global markets. Till 2021, we were more focussed on moulds meant for Columbia Machines, in 2023 we have already enhanced our manufacturing capacities by half-board machine moulds. We look forward to a great contribution to the top line in this segment.



# "WE WILL DISPLAY SELF-LOADING CONCRETE MIXERS."

Kalpesh Soni, Vice President, KYB Conmat, discusses the key products on display during the exhibition.

Scan to read



## bauma CONEXPO is returning after a gap of almost four years. What has been the past experience at the event?

bauma CONEXPO has been an excellent platform to showcase the latest development in the construction equipment Industry, and this time also we expect the same in a bigger way. North India has emerged as the epicentre of infrastructural development in the country, and through this show in Greater Noida, we expect to connect with our existing and potential customers and showcase our latest product offering.

## What are the key products on display during bauma CONEXPO? Explain in detail.

We will be displaying our full range of new self-loading concrete mixers in BC India. All these machines are IoT enabled, BS-4 and ARAI compliant,



and offer better fuel efficiency, high productivity, better mix quality, faster loading and discharge due to an advanced blade design and electronic batching system with printer, produce more concrete per batch by optimized drum capacity, which reduces the overall cost per cubic meter of concrete. Further, these self-loading

mixers offer superior maneuverability by single joystick control, a four-wheel steering/4-wheel drive system, also offer superior operator comfort due to a reversible operator seat and balanced load distribution on the front and rear axles.

## What are the various challenges faced in the sector you are in?

To achieve and maintain the infrastructure growth in India, we expect the Government to step up public investment, complemented by private capital, at a significant scale, with an emphasis on the PPP model. In addition, there is a growing need for enhanced quality standards for CE and skill development in order to produce and operate world-class equipment.

In general, the construction sector is facing an acute shortage of skilled workers to operate and maintain sophisticated equipment. This reduces the productivity and quality of work execution. However, at KYB Conmat, it is our endeavour to develop user-friendly equipment, which requires very little skill to operate and manage. Our Batching Plants, for instance, have the latest multi-language SCADA software, so they can be operated in the local language. We also provide a self-diagnostic feature in our control system to minimise downtime and the need for physical service visits.

KYB Conmat's batching plants can be remotely connected to our server through VPN and any fault finding, repair, software updating, etc. can be done from remote locations.





# "SUSTAINABILITY & AUTOMATION WILL BE OUR FOCUS AREAS."

**Dheeraj Panda, COO (Sales, Marketing & Customer Support), Sany Heavy Industry India, speaks on the performance of the company in 2022 and its outlook for 2023.**

Scan to read



## **Bauma CONEXPO is returning after a gap of almost four years. What has been the past experience at the event?**

We expect to forge new business ties, generate sales and expand our customer base. Meeting our existing customers is the most cherished moment for the team Sany as their feedback not only helps us to move ahead in this business with full vigour but it reflects that we are staying true to our mission of "quality changes the world".

## **What are the key products on display during bauma CONEXPO? Explain in detail.**

With the evolving demands of the construction industry, we have been enhancing our product efficiency with cutting-edge technologies to meet customer needs. Our unit in Pune has an integrated facility with modern manufacturing equipment, testing facilities, R&D centre, training centre all under one roof. Our company's R&D



team focuses primarily on the customisation of global technologies for Indian requirements.

We believe sustainability and automation will be our focus areas as they will improve the efficiency and quality of our products. In terms of our product offerings, we have seen that the usage of telematics, automation, and machine control technologies in our equipment has helped our customers to

become more productive and efficient. Our upcoming products will reflect this besides other features that will be unveiled as and when the products will be launched.

## **Performance-wise, how was the year 2022 for the company? What is your outlook for 2023?**

For us, 2022 has been a generally happy year. We deal with all types of equipment for roads, ports, mining, and construction. The past year has been a reasonably successful one for us in terms of general infrastructure growth if you look back on it. The National Monetisation Pipeline (NMP), the National Infrastructure Pipeline, and the Prime Minister's goal of one-window clearance through the Gati Shakti project all represent significant government investments in infrastructure. As a result, it aids in accelerating infrastructure operations. All the equipment players are

participating more as a result of these infrastructure upgrades. I can state with pride that Sany has contributed in some way to the construction of the roads and bridges.

The outlook for 2023 is optimistic. We are looking forward to another good year in terms of overall infrastructure growth looking at the pipeline and vision the government has.



# "MAJORITY OF OUR EQUIPMENT FUNCTIONS ON DIESEL."

**Jaideep Shekhar, Managing Director, Terex India, speaks on the investment made in the Indian market.**

Scan to read



**bauma CONEXPO is returning after a gap of almost four years. What has been the past experience at the event? What are the key products on display during bauma CONEXPO? Explain in detail.**

We are thrilled to participate in bauma CONEXPO India and as always, the brands we are exhibiting at this year's Bauma will be a true representation of all the variations of machinery and products that we at Terex MP have to offer across the board. From cranes to compact crushers, hybrid range to modular crushers and sustainable sand-washing solutions, the variety that will be on show is something that I am very proud of. We are eager to reconnect with existing customers and partners, as well as meet new potential ones, and showcase our latest innovations.

**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?**

Terex is one of the market leaders in crushing, screening, washing and conveying solutions for aggregates used in various infrastructure projects across India. For the last 20 years, we have had a solid market presence with tracked mobile crushing and screening equipment catering to the mining and highway sector, including National Highways Authority of India (NHAI) projects, while our wide range of aggregate washing equipment supports



many urban development and irrigation projects. We are now focusing on sustainable infrastructure development, with our aggregate washing product range producing manufactured sand and our recycling systems being used to process Municipal Solid Waste (MSW) and Construction and Demolition (C&D) waste.


Terex continues to strengthen its foothold in India's construction equipment market by bringing in new technologies, expanding its product portfolio, and entering new construction territories. With the recent launch of its technologically advanced and internationally proven FRANNA brand of pick-and-carry mobile cranes, Terex is now making its presence in the large mobile crane segment dominated by well-established local players.

We will also be launching a smaller range of crushing machines such as jaw crushers and impact crushers under our EvoQuip brand, in the 60 to 80 tonne/hour capacity, which can be transported on a small truck or trailer. These machines are being developed to cater

to projects in the North-East and Himalayan regions as well C&D crushing very close to cities. Our aim is to offer an entire range of machines in various capacities from small, and mid to high, which will be made in India to cater to the road and mining sectors.

**What are the various challenges faced in the sector you are in?**

The major challenge in this industry is the lack of skilled and trained personnel to operate crushing and screening equipment. Terex India has been working closely with its customers to ensure the availability of skilled manpower who are adept at operating more technological, intelligent equipment in a safe and efficient manner. A dedicated training centre at the Terex Hosur facility provides advanced training to crusher operators and plant supervisors. This is accredited as a training partner of the Infrastructure Equipment Skill Council (IESC), under Skill India and NSDC programme of the Government of India.

Majority of our equipment functions on diesel which releases high carbon emissions, leading to the imposition of stricter carbon regulations. This is posing a major challenge as it restricts the industry growth. Yet, with the recent initiatives of the Government to improve the infrastructural facilities and favourable economic conditions, the impact of these factors can be largely mitigated. 

**To read full interview, log on to: [www.EquipmentIndia.com](http://www.EquipmentIndia.com).**



# BEST SELLER OF THE YEAR



CONSTRUCTION WORLD ANNUAL ISSUE WAS LAUNCHED AT  
INDIA CONSTRUCTION FESTIVAL ON 14<sup>th</sup> OCTOBER 2022



## WHY CW ANNUAL EDITION?

- India's only listing and ranking of the construction, building material and equipment companies!
- Find out which companies are the **fastest**, which companies are **most admired** and which **companies have performed despite all odds**.
- Listing of the **world's Top Design Engineering Firms/ Listing of Top Global Contractors**
- Featuring **ESG action plans** of various companies – in terms of building value through their offerings
- Interviews of **industry thought leaders**
- Get to know the **CONSTRUCTION WORLD Persons of the Year for 2022, Engineer of the Year**
- Listing of India's Fastest Growing Companies in Construction, Construction Equipment, Cement, Paint, Steel, and Tile, Ceramic & Sanitary ware
- Listing of emerging companies, sectoral analysis by experts, and much more

# HURRY AND BOOK YOUR COPY NOW!

Call Subscription Team:- 8657581494 / 8422874048 | [Subscriber@ASAPPinfoGLOBAL.com](mailto:Subscriber@ASAPPinfoGLOBAL.com)



**ASAPP INFO GLOBAL SERVICES PVT. LTD.**

A-303, Navbharat Estate, Zakaria Bunder Road, Sewri (West), Mumbai - 400015.  
Tel: +91-22-2419 3000 | Email: [Subscriber@ASAPPinfoGlobal.com](mailto:Subscriber@ASAPPinfoGlobal.com)



# "WE ARE KEEN TO SHOWCASE OUR READINESS IN BUILDING THE INDIA OF TOMORROW."

**BKR Prasad, Head – Marketing & Product Development, Tata Hitachi Construction Machinery, speaks on the various challenges faced in the CE sector.**

Scan to read



## **bauma CONEXPO is returning after a gap of almost four years. What has been the past experience at the event?**

Indeed, the most popular tradeshow especially in North India is returning after the hiatus caused by the pandemic. We are all geared up and look forward to participating in it. In the past, bauma CONEXPO has given us and the construction equipment industry a good opportunity to meet, discuss, and exchange ideas with all the industry stakeholders and policymakers. Also, physical events like this give us the ability to give customers, policymakers, and other attendees a first-hand touch and feel of our machines, which is important in an industry like ours. It has also been an excellent platform to launch new products apart from demonstrating our technologically advanced and future-ready solutions.

## **What are the key products on display during bauma CONEXPO?**

This year, bauma CONEXPO is happening with the theme 'The future of nation building' and we are very keen to showcase our readiness in building the India of tomorrow. We will be displaying our versatile, CEV IV-compliant backhoe loader model Shinrai Prime, our newly-launched, indigenously-developed, NextGen 3-tonne mini excavator model NX30 along with some of our mid-range construction excavators. Also, on



display will be parts, attachments, and solutions offered by us.

## **How do you look at the market in India for your products?**

The construction equipment industry rapidly recovered through FY2021-22 despite the Covid-19 second wave-induced lockdowns in Q1 of the year. However, the backhoe loader segment witnessed significant de-growth due to the impact of emission norm change last year.

This year the government has embarked on a massive Capex programme with a growth of 35 per cent. The Road and Highway Ministry is targeting the construction of nearly 18,000 km of highways. Allocation to Jal Jeevan mission for Har Ghar Jal has been increased to Rs 60,000 crore. Similarly, there is increased spending on railways, ports, and airports. The focus on rural infrastructure continues

with increased allocation to

PMGSY. Rural housing – PMAY – is another focus area.

Further, the proportion of greenfield multilane highways is increasing and the PM Gatishakti master plan for the expressway is being formulated. The huge backlog in construction has led to extending the target to complete Bharatmala by FY27, which will enable execution in the coming months and years. An announcement of the start of the Ken-Betwa River linking project has also been made.

Railways will need an investment of nearly \$740 billion by 2030, where more than half of the investment is to be used in the construction or upgradation of lines.

Among the opportunities, National Infrastructure Pipeline, roads, and water supply have the highest intensity of use of construction equipment among major demand drivers. All this should enable good growth in construction equipment used in these applications.

## **What are the various challenges faced in the sector you are in?**

Currently, one of the biggest issues is an unabated increase in input costs driven by commodities like steel, aluminium, plastic, fuel, etc. Further domestic transportation costs have increased by ~20 per cent just in the last year. International container



shipping costs and air freight have more than doubled over the last year although they have moderated of late.

The other challenges that the industry is facing from a demand perspective are:

- Substantial increase in the cost of steel, cement, fuel, logistics, etc.
- Erratic execution of highway construction. Last year saw a drop from 37 km/day to 29 km/day.
- Land acquisition and clearances from local authorities, state governments, environment, and forest departments.
- Covid-19 impacted state government revenues forcing them to borrow more.
- Payment delays from state governments.
- Regulatory changes - bringing NBFCs NPA classification norms like that of banks- has led to tightening of funding norms and access to finance by customers from NBFCs.
- Attracting skilled manpower to the industry.

To handle the ever-evolving customer expectations, we, at Tata Hitachi lay emphasis on product life cycle support as a key differentiator. Our products and attachment



**Tata Hitachi all-new 5-tonne wheel loader ZW225.**

solutions, backed by the exhaustive support network are unmatched and bear testimony to our market leadership, despite growing competitive challenges.

### **How was the year 2022 in terms of performance? What is your company's plan for 2023?**

This year, the first half has seen a robust growth of nearly 20 per cent YoY, mainly due to the base effect of Covid and we expect the industry to recover and post double-digit growth for the full year, given the Capex focus of the central and state governments.

Next year is the penultimate year before elections in H12024 and therefore we expect the government to continue its focus on growing the economy through Capex and focus on execution. However, this will be balanced with fiscal responsibility and limited borrowing. Also, advanced economies are expected to enter a recession in an era of increasing interest rates. This is going to hamper the high growth rates, unlike the pattern observed in the past with the years preceding the election year.

Further, the national highway construction, a major driver for construction equipment, is facing headwinds in accelerating execution and is projected at best to touch 31 km/day this fiscal as against a reduced target of 33 km/day. Even highway construction awards which are a lead indicator of works in the future are also trending almost flat on a YoY basis.

Keeping this in mind, we expect moderate growth in the coming year for the construction equipment industry. Tata Hitachi is a pioneer in introducing the latest technologically-advanced equipment in the Indian market. We will continue to introduce next-generation machines for our customer basis the emerging requirements and developments to offer the most cost-effective high performance and reliable products and solutions.



**Tata Hitachi NX30, the next-gen mini excavator.**

# "WE ARE COMING UP WITH NEW JOINT VENTURES & TIE-UPS."

**Niraj Shah, Managing Director, Kaushik Engineering Works,** speaks on the various challenges faced in the construction equipment sector.

Scan to read



## **Bauma CONEXPO is returning after a gap of almost four years. What has been the past experience at the event?**

We think this edition of bauma CONEXPO will draw tremendous interest from both exhibitors and visitors not due to the four-year gap but because the construction industry in India as well as in the world over is booming across all sectors and there is a huge demand for new quality machinery and equipment to execute projects all over the world.

We expect that we will get huge targeted customers with whom we will interact and showcase our latest technology and products like asphalt batch mix plant, asphalt drum mix plant, bitumen sprayer, decanter, wet mix macadam plant, broomer, etc. we wish to develop a better understanding of the latest market demand for our conventional products, showcase our latest products like: asphalt batch mix plant ranging up to 240 tph, asphalt drum mix plant ranging up to 160 tph, wet mix macadam plant ranging up to 300 tph, bitumen sprayer ranging up to 10 tonne, drum decanter (asphalt drum melting machine) up to 10 tonne, broomer, concrete batching plant up to 60 cu m, chip spreader, and road marking machine with pre-heater.

To improve our brand awareness, gain new leads and business contacts and strengthen relations with existing customers. bauma CONEXPO also provides us a platform to develop our relationship with existing customers and new customers, and develop sales strategies by identifying new



opportunities, dealers, and sales and services agencies.

## **What are the key products on display during bauma CONEXPO? Explain in detail.**

In bauma CONEXPO, we expect we will interact with big global players, entrepreneurs and from all over the world and we will make add-ons to our plants and services. Every year, there are more technological trends for entrepreneurs to keep an eye on. So, every day, we have to extend our service portfolios and come up with more innovative and customer-oriented products and services.

We are coming up with new joint ventures and tie-ups to render our products and service improved and advanced technology to our clients and customers.

This year, we would like to showcase our new and improved asphalt batch mix plant (capacity ranging from 90 tph to 240 tph) range will be manufactured with a technological tie-up from Turkey

and as per

European quality standards which is unmatched technology and quality by competitors. Our highly world-class technology and fuel-efficient burners result in lower fuel consumption, and our baghouse filters enable better pollution control. We provide an aggregate bypass system for dusty aggregates. Our vertical design rugged twin shaft mixer provides superior mixing with fast cycle times. Our asphalt batch mix plant occupies less space and is cheaper to own and operate as compared to our competitors.

Also, our foreign principals, Nadler Strassentechnik, Germany, will be displaying their latest grouting technology with equipment and solvent-free asphalt products for joint and crack repairs. Our foreign principals, Boat Lift, Italy, will present their remote-controlled gantry cranes and self-propelled trailers, particularly for precast concrete product handling and lifting.

## **What are the various challenges faced in the sector you are in?**

There are multiple factors that pose a challenge for us. These include the emergence of foreign construction equipment manufacturers; high competition due to several domestic manufacturers; customer education; poor quality of raw materials used to produce asphalt; lack of skilled operators for operation and maintenance of the asphalt batch mix plants.



**To read full interview, log on to: [www.EquipmentIndia.com](http://www.EquipmentIndia.com).**



**ARX 90.2 ARTICULATED TANDEM ROLLER  
CEV STAGE IV**



# A SMOOTH, POWERFUL ROLLER

## ROLL WITH THE CHANGES

What can the Ammann ARX 90.2 Articulated Heavy Tandem Roller bring to your business?

- One of the highest compaction outputs in the 9-tonne weight range
- A machine that thrives in multiple applications thanks to its drum dimensions, frequencies and amplitudes
- A unique propulsion system that enables smooth starts, essential when working on asphalt
- Cost savings after the purchase through exceptional fuel consumption, convenient service points and self-lubricating bearings

The ARX 90.2 is built in India – especially for the Indian market.



## Gmmco: One-stop solution for all construction & infra needs



Gmmco Workshop, Murukancherry, Chennai.

**Booth: O.I.30**



Said V Chandrashekar, Managing Director and CEO, Gmmco, "Gmmco is part of CK Birla Group. We upkeep the legacy of our Group's efforts in building the India of tomorrow, by offering world-class and innovative solutions for infrastructure and mining. Throughout our journey of

55+ years and 35+ years of association with Caterpillar, we have been a trusted partner for our customers by demonstrating superior customer service over the many decades. Our biggest strength is our highly committed, passionate, and skilled people who are pushing boundaries to exceed customer expectations. With the ever-changing customer requirements and expectations, we redefine ourselves by embracing the new. We are continually leveraging digital technology to provide a seamless experience to our customers in conducting business with us. The

trust imposed on us by our customers strengthens our resolve to continuously maximise value for them."

On the role of product support in business, **Prashant Bisen, Senior VP, Construction Industries, Gmmco**, said, "Aftermarket performance of a brand is a critical decision point for a customer in choosing an equipment brand. Machine uptime and availability are directly proportional to the success of the business of the customer. In the 55+ years of heavy earthmoving equipment business,



**Prashant Bisen**, Senior VP, Construction Industries, Gmmco

we have aced ourselves in providing best-in-class aftermarket product support. We have strategically positioned our customer support engineers across the territory to ensure a minimal service response time. Our wide network of parts delivery touch points and optimised supply chain operations assure parts availability within the need-by date. Through our assured parts availability and rigorously trained service engineers, we promise a quicker mean time to repair to our customers. We run various customer support contracts



EM Solutions Control Room, Chennai.





**Cat product range.**

that are customised based on the requirement of the customers. Through these contracts, we ensure superior machine performance, lower machine breakdowns and higher machine availability.”

Speaking on digital business, Bisen added, “Smartphones and Internet penetration has changed the landscape of businesses. Businesses without online/digital channels are deemed non-existent. We have equipped ourselves to offer a gamut of online digital services to exceed the expectations of our customers. Our equipment monitoring solution enables customers to monitor their machine and its performance remotely using a smartphone. Our Gmmco Assist mobile application helps our customers to transact with us digitally by ordering parts, booking a machine service, etc. through the app. We are

actively present across major social media channels like WhatsApp, Facebook, Instagram, etc. for our customers to interact and collaborate with us. We have a wide appreciation amongst our customers for being physically and digitally present with them to enable their success.”

“Almost all customers purchasing construction equipment prefer to purchase equipment through a financing option. More than banks it is the NBFCs that command a higher market share in equipment financing. Offers extended by the financing institutions and confidence of financing institution on equipment brands play a crucial role for customer to choose a particular equipment brand. We at Gmmco have cordial

relationship with all leading financial institutions across our territory. Over the years, financial institutions have developed trust on the products and services we offer resulting in ease of processing of funding to our customers during the sale. Higher uptime of

our machine resulting in higher revenue for our customers and better resale value of our equipment are the major drivers for the trust of financing institutions on us,” said **Magesh Swaminathan, Head of Sales – Construction Industries, Gmmco**, while speaking on the role of NBFCs in construction



**Magesh Swaminathan,**  
Head of Sales  
– Construction  
Industries, Gmmco

equipment sales.

On customer demands and expectations, Swaminathan said, “Requirements of customers vary from application to application. A customer seeking our products can be largely classified into life cycle cost and life cycle value. Caterpillar equipment are known for their lower refill capacities, higher maintenance intervals, and better component life minimises the total cost of ownership thereby benefitting the lifecycle cost category customers. Higher fuel efficiency and enhanced productivity demonstrated by Caterpillar equipment make it a go-to-choice for lifecycle value category customers.”



**For more information:**

G Geolson, Head – Marketing & Branding.  
Email: geolson@gmmcoindia.com



**Gmmco service engineers support at site.**

# INDIAN CEMENT REVIEW

INDIA'S FIRST & ONLY BUSINESS MAGAZINE FOR INDIAN CEMENT INDUSTRY

PRESENTS

8<sup>th</sup> INDIAN  
CEMENT REVIEW  
CONFERENCE 2023

## 13<sup>th</sup> CEMENT EXPO 2023

6<sup>th</sup> INDIAN  
CEMENT REVIEW  
AWARDS 2023

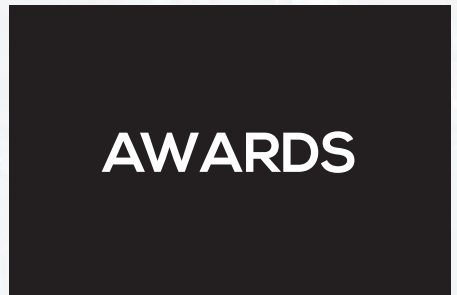
24<sup>th</sup> FEBRUARY 2023 | HYDERABAD

**THEME: CASE FOR SUSTAINABILITY**  
(COST-EFFICIENT, AUTOMATION, SKILLING & ENERGY-EFFICIENCY)

ONE STOP SOLUTION FOR ALL CEMENT,  
CONSTRUCTION & INFRASTRUCTURE PROFESSIONALS

### PAST GLIMPSES

#### EXHIBITION



#### AWARDS



## NETWORKING OPPORTUNITIES



**1000+  
VISITORS**



**50+  
EXHIBITORS**



**300+  
DELEGATES**



**35+  
SPEAKERS**

# NOMINATIONS ARE OPEN!



NOMINATE NOW!

## AWARDS CATEGORIES

**INNOVATION  
OF THE YEAR**

**CSR  
OF THE YEAR**

**GREEN FACTORY  
OF THE YEAR**

**TRAINER  
OF THE YEAR**

**PRODUCT  
OF THE YEAR**

**LIFETIME  
ACHIEVEMENT  
OF THE YEAR**

**EXCELLENCE  
IN SUSTAINABILITY**

**PERSON  
OF THE YEAR**

## PAST PARTICIPANTS

ABB LTD | ADOR FONTECH | AKS UNIVERSITY | ALLAN SMITH ENGINEERING PVT LTD | APCONIC SOFTWARE PVT LTD | BHEL | BMW STEEL | CALDERYS INDIA REFRACTORIES LTD | CON WEIGH SYSTEMS | CROMPTON GREAVES | DCL BULK TECHNOLOGIES PVT LTD | EASTERN BEARING PVT LTD | EICHER | FRIGATE TEKNOLOGIES PVT LTD | FLSMIDTH PVT LTD | INDIAN INSTITUTION OF BRIDGE ENGINEERS | INSMART SYSTEMS | INTECH ENGINEERS | JK CEMENT | KNACK TECHNOPACK | LILANAND MAGNESITES PVT LTD | MANGALAM CEMENT LIMITED | MONDI OMAN LLC | OSM PROJECT | PHILLIPCAPITAL (INDIA) PVT LTD. | PENNA CEMENT | PETRONAS LUBRICANTS (I) PVT LTD | PREMIUM TRANSMISSION PVT LTD | RAJDEEP & ASSOCIATES (EXON MOBIL) | RATHI TRANSPower PVT LTD | RINGFEDER TRANSMISSION | RDC CONCRETE (INDIA) PVT LTD | SANGHAVI ENGINEERING PVT LTD | SEALTECH | SHARDAA CERAMICS PVT LTD | SHREE CEMENT | SIEMENS | SWAJIT ENGINEERING PVT LTD | TESTO INDIA PRIVATE LIMITED | TIMKEN INDIA LIMITED | TLG INDIA PVT LTD | UFLEX LIMITED | USG BORAL ZAWAWI GYPSUM LLC | VERDER SCIENTIFIC PRIVATE LTD | VICAT CEMENT / BHARTHI CEMENT

## CONTACT

**SHEETAL**

+91 8422874030

Sheetal@IndianCementReview.com

**VRUSHALI**

+91 90047 85696

Vrushali@ASAPPinfoGlobal.com

[www.CementExpo.in](http://www.CementExpo.in)



ASAPP Info Global Services Pvt Ltd.

A-303, Navbharat Estate, Zakaria Bunder Road, Sewri (West), Mumbai-400 015.

Tel: +91-22-2419 3000



REGISTER NOW!

# "IN TERMS OF MINING, INDIA IS STILL BEHIND."

**Sujeet Kumar, Business Line Manager - Surface Division, Epiroc Mining India, speaks on the outlook on the mining industry in India, and the importance of sustainability in mining.**

Scan to read



## **What is your outlook on the Indian mining industry?**

The future looks promising. Growing infrastructure is the main factor driving India's population toward urbanisation. We require development in steel, cement, and power to sustain this. These three factors are the main ones influencing the mining sector in India. The growth is overwhelmingly excellent.

In Epiroc, mining and construction are very evenly distributed. Fifty percent of our revenues come from the mining industry, and 50 per cent from the infrastructure-related business. While all segments are performing well, the infrastructure category performs significantly better.

## **Which are your major products in surface mining? What differentiates it from its competitors?**

We mainly provide various drill types for surface mining, including smart platform drills, large-scale drills, and exploration drills. We are involved in every step of the underground mining process, from drilling to hauling to all kinds of equipment, including technology.

We provide greater productivity, safety, and machine connectivity through innovation, which is urgently needed. We are putting a lot of emphasis on innovation, digitalisation, and electrification of the equipment. We take the lead in innovation for the benefit of our clients, who benefit from higher production, reduced environmental impact, and excellent value.



## **How is automation evolving in the mining industry?**

In comparison to other mining markets, India lags behind. A few participants have demonstrated strong interest and are catching up. We sold them technological solutions. Players like Tata Steel are integrating a lot of technology into their mines. Another corporation that heavily relies on technology is Hindustan Zinc. Even prominent Indian players like Adani are entering the fray. In addition, they are bringing about a significant technological change in the mining sector.

Loaders and trucks are the main electrified equipment in underground mining. They are developing battery-powered machines. Large-scale surface drilling equipment is already available. We also intend to develop equipment for modest surface drilling. Diesel engines in prime movers will be swapped out for electrification.

## **You spoke about bringing innovation to mining. How**

## **about sustainability in mining?**

We are devoted to the sustainability objectives set forth by the UN. We make both our designs and operators more efficient. We are constantly working to reduce the amount of oil, fuel, etc. that the machine uses. On the Indian market, there are some items that offer us the same productivity at only half the cost of fuel.

## **What are the key maintenance practices to be followed for the upkeep of the mining equipment?**

Entering into full maintenance contracts is the best course of action. So that the customer doesn't have to worry about the availability of spare parts. We service and maintain their spare parts. We are always available to help them 24/7. We work to make sure that the proper personnel and parts are close to the consumer. At the distributor level, we make an effort to preserve our inventories.

## **Skilling is a challenge faced by many companies – be it big or small. What is your company doing in this regard?**

Yes. Skilling is a big challenge. We do take ownership. It is part of our initial contract that we will train their engineers to the satisfaction level.

## **What are your plans for 2023?**

This year will be more or less similar to the year 2021.



To read full interview: Log on to: [www.EquipmentIndia.com](http://www.EquipmentIndia.com)



**“I SEE THE  
MINING  
INDUSTRY  
GROWING  
FOR THE  
NEXT 15  
YEARS.”**

**Tridib Majumder**

MD, Quaker Houghton India

**INTERVIEWS:**

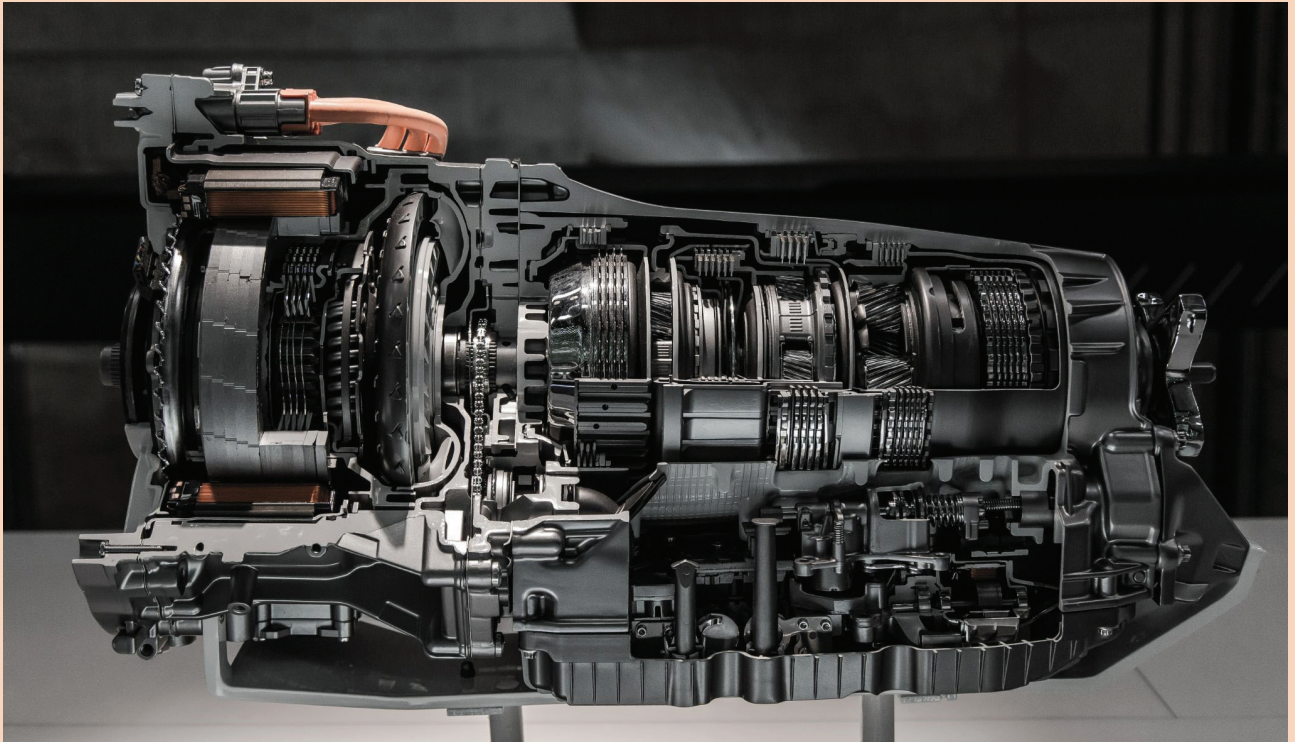
- Shyam Gyanani of Trident International...58
- Biman Banerjee of Mallcom India...60
- Satya Ranjan Mohapatra of Tide Water Oil...61
- Kaushik Sen of Drillman Global...62
- Dr Arabinda Bandyopadhyay of CDE Asia...63
- Vivek Misra of Smartchem Technologies...64

# EFFICIENCY DRIVES TRANSMISSION SYSTEMS

Scan to read



The transmission system plays a vital role in equipment as the gearbox determines the performance and robustness of the equipment.



**A**n important part of construction equipment is the transmission. The vehicle's functionality is greatly influenced by the transmission's capabilities when it comes to productivity and overall equipment efficiency, particularly in high-frequency and heavy applications. The transmission determines the worth of the equipment, whether it is used for piling or heavily loaded transportation. To meet the changing needs of the construction equipment user market, equipment OEMs in India are currently looking for more effective and creative transmission

solutions. The need for better technologies and solutions has arisen as a result of the mining industry's slow recovery and the construction industry's recent upswing. These factors require the equipment to operate in a faster, more productive, and more efficient manner.

The vehicle's usefulness must be supported by the transmission's capabilities, particularly when using high-frequency forward and reverse. The transmission, with its high functionality and efficiency, determines the value of the machine in sensitive piling and loading operations as well as in heavy-loaded transportation. The

best efficiency of the entire machine in its application is ensured by electronic systems, which also ensure ideal operating conditions for the engine and gearbox. In comparison to conventional systems like power shift transmission, technologies like IVT (infinitely variable transmission) are promising possible decreases in fuel usage.

The transmission system plays a vital role in equipment as the gearbox determines the performance and robustness of the equipment. The key components in a drive line of the construction equipment transmission system are front and rear axles with





planetary gears, differential brakes, transmission shaft, clutch, and torque converters.

There is a need for effective machinery and equipment because there are so many infrastructure projects in the works. Larger contractors in particular are searching for equipment that is outfitted with cutting-edge technologies and solutions that may aid in executing the project effectively and on schedule. The equipment or vehicle's operating system heavily relies on the automatic transmission. Major providers of transmission solutions are interested in the Indian market because of the growth prospects there for their services and products. With its local production facility in India, the leading Italian provider of transmission solutions, Bonfiglioli Transmissions, has a stronger focus on the Indian market. The business is completely prepared to meet the nation's construction equipment market's rising demand for transmission solutions.

ZF is one of the technology and innovation leaders worldwide providing effective transmission products and solutions to construction equipment OEMs.

Over time, monitoring and control systems have demonstrated their value in ensuring that projects use equipment productively and efficiently. Trimble is a significant player in the market for monitoring and control products and solutions used in

construction equipment to ensure maximum equipment utilisation and increase efficiency and economics.

AVL has developed all types of transmissions such as the manual, automated manual, automatic and double clutch.

Using the TransMobil system to monitor and manage different kinds of machines is successful. On the monitor screen, data from the cars is regularly shown. This makes it possible to manage people and resources effectively, which is important for construction businesses among other things. You may manage the working hours of machine operators and confirm that the tasks were completed as ordered by continuously monitoring vehicles using GPS and GSM technologies. You may lower fleet maintenance costs by having the option of tracking fuel usage, and ongoing monitoring improves worker and equipment safety. The overall management procedure can be greatly enhanced by fusing data coming from the onboard computer, fuel probes, or other sensors with data from hours-counting software.

Power transmission systems and assemblies for construction equipment, trucks, and dumpers being produced in the nation have undergone extensive hybridisation and are currently being equipped with automatic features. It's interesting to note that OE supplies are

quickly adopting electronic sensing to guarantee multi-mode power delivery, telematics tracking, and built-in diagnostics capabilities as standard equipment. This business has now advanced its performance offers to a new level thanks to the desire to be lightweight and support fuel efficiency.

**Suresh KV, President for ZF in India**, says, "ZF's transmissions play a very important role in the well-functioning of off-highway equipment at different working conditions by providing Automatic transmission for smooth shifting of gears, this gives a high level of comfort to the vehicle operators."

With the focus now more on

the efficiency and productivity of equipment, advancements in transmission systems play a major role in achieving these requirements. Adds Suresh KV, "Cost reduction as a result of reduced fuel consumption while simultaneously increasing

productivity are megatrends in the construction machinery business. Also, today there is a lot of emphasis on safety and sustainability. Some of the current trends also include diesel-electric hybrid transmissions, continuously variable transmission, and electronically controlled power shift transmissions."

With years of manufacturing experience, AVTEC offers competency throughout the full value chain of engine design and production, as well as transmission production and high-precision component production for a variety of sectors. The firm provides services to a number of the most well-known domestic and international automotive and off-highway businesses, including well-known international OEMs like Allison, BEML, Caterpillar, Daimler, and several more well-known names.

Said a spokesperson from AVTEC, "AVTEC's world-class facility at Hosur, Tamil Nadu manufactures Cycling and



**Suresh KV**  
President,  
ZF in India



Hauling Automatic and Powershift Transmissions for Off-Highway applications. The plant follows cellular manufacturing concept, which is well suited to take care of the entire product mix and support faster response.”

AVTEC's AOS 9800

transmission is a fully automatic/powershift transmission available with 8 forward speeds and isoperated with electronic controls. Available with optional engine driven PTO, there is a flexibility of mounting either direct or remote and using in-line arrangement and hydrodynamic retarder. This transmission is designed and developed to perform in demanding oil field applications like pumping and fracturing. This transmission relentlessly performs and ensures maximum uptime for all oil field equipment.

The AH8700 transmission is a fully automatic/powershift transmission available with 7 forward and 1 reverse speed and is operated with electronic controls. Available with engine-driven PTO, there is the flexibility of mounting either directly or remotely and using the in-line arrangement and hydrodynamic retarder.

Volvo CE in its range of construction and mining equipment uses its own transmission solutions.

**Dimitrov Krishnan, Managing**



**Dimitrov Krishnan**  
Managing Director,  
Volvo CE

**Director, Volvo CE,** elaborating on the importance of transmission systems, says, “Depending on what the equipment is doing, it needs to sense the demand of the power and give that demand back through the transmission

system to the engine so that the engine power is reduced or increased based on the demand. If the demand is low and one is supplying more power then there is a lot of wastage of power. This is where the transmission systems including the transmission control systems are critical in the efficiency and productivity of a machine.” He cites the example of Volvo excavators saying, “In our D series of excavators, we have come out with a transmission system which has resulted in a reduction of fuel consumption by 10 per cent.”

### Challenges & opportunities

Says **Kennady V Kaippally, Country Manager of Bonfiglioli India**, “India—with its growing infrastructure need and low equipment density—offers immense opportunities for growth of construction equipment and the related industry. However, this growth is not going to be secular. The desire for higher productivity is going to drive the demand for more specialised equipment, requiring

innovative transmission systems that have to meet specific local requirements. The challenge in such an environment remains in developing or adapting products and manufacturing capabilities that suit the specific demands of the Indian market. Bonfiglioli with its local design centre and manufacturing facilities—being present for nearly two decades in India and having gained a deeper understanding of the market—is well placed to take advantage of these opportunities.”



**Kennady V Kaippally**  
Country Manager,  
Bonfiglioli India

The demand for mining and construction equipment – to a large extent – reflects macro-economic indicators; consequently, the high-interest rate regime, slowdown in infrastructure investments, liquidity crunch, and numerous regulatory roadblocks have led to a sharp decline in demand for mining and CE during the past few years.

With the OEMs getting more focused on fuel efficiency and productivity solutions, transmission solution providers see a bright future in the years to come. Revival on the industry growth trends and infrastructure and mining segments are showing positive signs of recovery, construction and mining equipment segment is expected to come out of its stagnation which will, directly and indirectly, help new transmission products find more demand.

There are several projected technical developments in the future. There will be a lot of advancements made in transmission systems to increase the productivity and efficiency of construction equipment. This would make it possible to meet the rising demand brought on by India's expanding infrastructure-building and development operations. We may anticipate a lot of novel ideas in the field of transmission systems, even though integrating the most recent and cutting-edge technologies may take some time.





Scan to read



# "INDIA IS STILL TAKING BABY STEPS IN AUTOMATION."

**Tridib Majumder, Managing Director, Quaker Houghton India,** speaks on the growth of the mining industry in India, and key digital features and solutions offered by the company.

## Give us a brief introduction to the company.

Quaker Houghton is a manufacturer of industrial process fluids and chemicals. We have a history of more than 250 years of serving our customers. We supply our proposition to a number of industry segments including mining, automotive, and metals (ferrous and non-ferrous). Our cutting-edge and sustainable solutions are supported by best-in-class technology, in-depth process expertise, and specialised services.

## What is the new range of products in these segments?

The products we have in the metals industry contribute to reducing friction, energy savings and improving finish primarily in cold rolling of flat steel products. We have rust-preventives to ensure there is no corrosion after the steel is rolled. For the benefit of both steel and non-ferrous customers, Quaker Houghton continuously improves our products and develops novel solutions. For the Transportation OEMs, we have fluids that improve process efficiency once steel or iron is used to build a vehicle – car, 2-wheeler, 3-wheeler bus, or truck.

We have fire-resistant hydraulic fluids for the mining segment. There are numerous hydrocarbon gases in subterranean mines which have a tendency of catching fire. This can cause the entire equipment to be destroyed or damaged in the fire.

The products that are displayed at IMME are fire-resistant hydraulic fluids that not only protect the



equipment but also enhance its performance. We are also displaying Dust Suppressants which help to improve the air quality in mines.

## How do you look at the growth of mining industry in India?

I think the mining industry will only keep on growing. We have coal reserves that will last for a long time however if we only mine coal and use it for energy, it will pollute the environment. We don't have any other sources to meet our base energy requirements. Nuclear power is not an option as we don't have nuclear fuels and managing the waste is an issue. Hydel power is present, but it is small and available in the hilly region only. Other non-conventional sources like wind and solar are not going to give us power.

As India grows, the industry requires coal and I see the mining industry growing for at least the next 15 years.

## What are the key digital

## features offered?

We have solutions that can provide automation and smart services. However, India has still a long way to go compared to Europe or North America, we are taking baby steps in automation.

Leaving aside mining, if we talk about the steel or automotive industry, how many robots do you see? Also, India's growth has been driven more by MSMEs as compared to OEMs. The number of investments involved in introducing smart factories is large and may not be a priority of the MSMEs. Quaker Houghton has digital solutions globally and we can provide them to our customers when they want it

## How about sustainability in mining?

Our foundation for growth is sustainability and we have a target to achieve net zero in CO<sub>2</sub> emissions by 2030 and carbon zero by 2050. Whether it is mining, metals, or automobile customers, we are prepared to do introduce solutions to meet these goals. In terms of the utilisation of fossil fuels, our actions will also assist our customers in achieving their sustainability objectives.

## In terms of performance, how has been this year for the company?

For us, 2022 was a good year in terms of revenue. However, because of supply chain disruptions, we faced difficulties in meeting the bottom line.



To read full interview: Log on to: [www.EquipmentIndia.com](http://www.EquipmentIndia.com)

Scan to read



# "SOON THERE WILL BE A TREND OF ELECTRIFICATION IN CE"

**Shyam Gyanani, Co-Founder and Executive Director, Trident International,** speaks on the company's offerings for the mining segment, and the USPs of these products.

## Give us a brief introduction about your company.

Trident was founded in 1997, and its primary business has always been off the road tyres. Within this segment, we specialise in industrial tyres for mining equipment, material handling equipment, infrastructure equipment, and construction equipment.

## What are the company's offerings for the mining segment?

Within the mining sector, our focus is on underground mining—i.e. tyres for LHDs, jumbo drills, shuttle cars, etc. As you may be aware, operating conditions in underground mining are quite different from surface mining, this includes working in tight spaces, very severe underfoot terrain, besides operating in underground mines there are many more safety concerns. If a tyre fails prematurely in an underground mine, whether due to service damage or manufacturing-related problems, it presents many difficulties. We developed solutions for the underground mining industry to specifically address these challenges.

## What are the USPs of these products?

Our value proposition is to provide a customer with a product that enhances safety, decreases downtime, and increases productivity. We concentrate on offering solutions that render tyres puncture proof. We offer two technologies: i.e. tyre filling with polyurethane also known as foam filling and full rubber tyres, often known as solid tyres.



Tyres made entirely of rubber cannot puncture. The benefit is that solid tyres last longer due to the extra deep tread. In tyre filling, polyurethane is injected in an existing tyre. In tyre filling, you take an existing pneumatic tyre and replacing the air with polyurethane. You are thus converting a pneumatic tyre into a solid.

Depending upon the specific operating conditions, there are some applications in which solid tyres are

better suited whereas in some other applications in which foam filled tyres will work better. We try to engage with the customer and understand what their specific issues and pain points are and then offer a solution.

## The availability of raw materials is one of the key issues faced by most tyre manufacturers. What are the challenges faced by your company?

Yes. The supply chain had problems, but many of these have been mostly addressed. For our export business, there were some delays on account of poor availability of shipping containers.

However, for our domestic customers we've always maintained a large inventory for quick turnaround's. We didn't have any instances of our customers waiting for tyres due to non-availability. We endeavour to supply on demand, even if this means that we have to overstock. This has been our strategy right from the



The company's focus is on underground mining—i.e. tyres for LHDs, jumbo drills, shuttle cars, etc.





beginning and across all capabilities.

For instance, the raw materials needed for the foam filling process and even the machinery needed is imported. Today we four filling stations. We started with one, but we deliberately built a certain amount of redundancy in the system. These stations or production units are like a complete setup to fill tyres.

Given our long association with our clients, we know the machines they have, the tyres they need & typical service life. As Foam filling is a lengthy process that takes time to complete, we don't wait for clients to place orders but produce for stock based on customer ordering patterns.

In Pune, we have a fully functional modern workshop with multiple tyre mounting machines, handling equipment and tire-changing tools. Some of the machines have been developed internally.

### How important is R&D for the company?

In underground mining especially, R&D plays a very important role. As machines are getting bigger, faster and more expensive. This puts a lot of pressure on the capital structure of any business. Recently, new regulations mandated the engines to be Bharat VI compliant. In terms of the actual output, there is almost no improvement, but this increased the cost of machines by 15 to 20 per cent.

It is more important than ever to make sure that your machines are as productive as they can be. You really don't want idle expensive machines because the tyres are not performing or getting damaged or punctured frequently.

Sooner there will also be a trend of electrification in construction equipment. We are already seeing this trend in Europe. Even this will have an impact on the tyre. The requirements of rolling resistance, the requirements of higher torque, etc. are going to affect the performance of the tyre.

### Which are your stronger export markets?

About 80 per cent of our sales are exported. There is a very clear trend to make supply chains more resilient. Even if customers have not faced any major issues in terms of the supplies from China, they are increasingly wanting to develop an alternative. We are seeing a lot of customers inquire and almost actively seeking alternatives to their current supply sources from China.

### In terms of performance, how was the year 2022 for the company? What is your plan for 2023?

In FY22, we were almost at the pre-COVID level. FY23 is shaping up to our best year ever. We are expanding our facilities in Jejuri, Pune. We are adding substantial capacity over there and we'll be developing a lot of new products. Some of the products, which are currently not made in India, will also be made. We expect that plant to be operational soon.



Scan to read



# "DESPITE COVID THREATS, WE EXPANDED BY MORE THAN 20%."

**Biman Banerjee, Senior Manager, Branded Sales, Mallcom India,** speaks on tackling the competition from Chinese companies.

## Which are the company's major products for the mining industry?

Mallcom has always been associated with many sectors – right from the automobile to manufacturing. Mining is such a sector that actually requires PPEs – right from the head to toe. We are seriously promoting our products in the mining sector. We have our entire range of products like safety helmets and safety goggles. We have a different range of gloves that are impact-resistant, and tough-resistant for the mining sector. In shoes, we have double-density soles and pure nitrile soles.

Given the variety of our PPEs, we feel confident concentrating on the mining industry, which is expanding in India. Big businesses and mining contractors alike are concentrating on both corporate clients and government organisations like NMDC.

There is a tonne of room for all PPEs to be used in these businesses. We are sincerely concentrating on these businesses. The choice to take part in IMME, a sector-specific expo, was deliberate. A robust database for potential future commercial deals will be available.

According to Mallcom, one of its primary USPs is certification. We never offer things that are not certified. All of our items either have BIS certification or EN certification. That gives a lot of confidence to the client because all these test certificates are available with us, and the customer can cross-check the certificate number. Some are available online, particularly in the BIS online portal.

Our products may be slightly costlier. But ultimately the customer



gets the benefit as they are using genuine products. About 95 per cent of our products are made in India in our 13 ISO 9001-certified units.

The IMME exhibition is a four-day event, and we are expecting not less than 300 new customers. It will open up a new door of opportunities for the PPEs that we manufacture. This would be a great opportunity for us to harness. The commercial part is a different aspect, but at least the brand Mallcom will be established in their mind.

## Are you exporting your mining range?

As far as the garment is concerned, we are exporting to a lot of countries. Since I don't look at the exports, I won't be able to comment too much on that. There are mining companies who are buying customised products in their name, which are being taken care of by our private label.

## How do you tackle the competition from Chinese companies? What makes your

## products unique from those of the competitors?

The Chinese companies provide the cost-benefit. As far as the durability or aftersales is concerned, we are miles ahead. Customer relation is very important.

We want to have a long association with the customers and that is our prime objective. We are not much threatened by Chinese people. There are traders who bring in gloves, but they have a separate market for that.

## What are the challenges faced by your company in the market?

Volume-wise, our product Tiger is so one of the largest-selling shoes in India. Along with the volumes comes the threat of fake products. So, that is one aspect that we encounter on and off, where the customer gets cheated by buying it from non-dealers. We are trying to tackle this legally and trying to catch hold of these fake manufacturers. This is one of the biggest challenges.

The other challenge we faced was the supply of raw materials which was affected during the COVID period. We have a set of suppliers and buy our raw materials like yarn or fabric only from them.

We have our own tannery as a backup for the consistency of leather. Our supply chain management is very well established, which is taken care of by the production units.

## In terms of performance, how was the year 2022?

We grew by more than 20 per cent in spite of the threats of COVID, and we hope to do better in 2023.



Scan to read



# "WE CONTINUOUSLY INVEST IN IMPROVING OUR FACILITIES."

**Satya Ranjan Mohapatra, Deputy GM (IB & IS), Tide Water Oil,** speaks on major products from the company and its salient features.

## Which are the major products from Tide Water Oil and what are its salient features?

In more than 65 countries throughout the world, Tide Water Oil, the proprietor of the trademark Veedol, is a top producer and marketer of high-quality lubricants. Since 1928, it has served the automotive and industrial markets in India.

We are concentrating on BSVI engine oil and long-drain hydraulic oils. Our attention is also on high-performance greases. We don't sell hydraulic oil that contains zinc. We are among the first and most experienced companies in India to offer engine oil solutions across all product categories.

The product that we are focusing on here at IMME is MARATRON LSP CK4 engine oil, which is BSVI compatible engine. It can run up to more than 80,000 km in regular intervals.

When it comes to the greases, we have a whole basket of greases. We provide both calcium solvent goods grease and products based on lithium. Here, our attention is on the construction and equipment market. Here, we provide highly specialised calcium solvent grease and lithium complex grease. The benefit of these products is that while other greases can last up to eight hours, our greases can last up to twenty hours, providing 2.5 times the advantages of current conventional products.

## How do you look at the market for lubricants in India?

The Indian market is divided into two parts – automotive and industrial. The industrial lubricant market is



growing at a modest rate of 3.5 to 4 per cent vis-à-vis other countries in which there is a stagnation of the lubricant market.

In the industrial segment, the construction and mining industry contributes around 12 per cent to the lubricants market. However, the construction and mining industry is growing by more than 30 per cent as of September. The potential of lubricants in the construction and mining segment is better and we look forward to having a better share.

We are really new in offering lubricants for the construction and mining industry. We are strengthening our foothold in mining and construction lubricants.

## Which are your stronger pockets in India?

For us, East India is a strong market for mining and construction. For construction, the western region of Maharashtra is the strongest market.

## Are these products completely

## made in India?

We have five manufacturing units that are spread across the nation. We have plants in Kolkata, Navi Mumbai, Silvassa, Faridabad, and Chennai. These five plants produce close to 1,11,000 kcal. Whatever products—specialty or conventional products—that we are selling are made in India. The technology that we boast of is our own R&D, based out of Mumbai. We have certified labs and are self-equipped to give the best.

## Any plans for capacity expansion?

We have got a single shift operation of 1,11,000 kcal. Our annual sale is around 84,000 to 85,000 kcal. Still, there is a gap of 25,000 kcal. That is only for the single-shift operation. If you multiply that by a two-shift operation, then the numbers will be even more. We are not investing in capacity expansion, but we are definitely investing in modernising our plants. Earlier a lot of manual operations were going on; now, all our plants are highly robotised.

We are even looking at sustainability. We are investing in those technologies. Our Silvassa plant is 100 per cent through renewable energy. We are also investing quite a lot to make it a self-dependent renewable energy source. Not to enhance our production capacity, but to be a sustainable player in the market, wherein we have got something to offer to the environment rather than taking everything from that.



To read full interview: Log on to: [www.EquipmentIndia.com](http://www.EquipmentIndia.com)

Scan to read



# "GOING FORWARD, WE PLAN TO LAUNCH NEW PRODUCTS."

**Kaushik Sen, Country General Manager, Drillman Global, speaks on the IoT and digital technologies that are evolving in the business.**

## Give us a brief description of the company.

Drillman is an Australian-owned company with its setup in India. We have our corporate office in Pune. We are completely prepared to meet the exploratory needs of Indian customers. The company was initially established to support the oil and gas sector, but later Sandvik sold their exploration business to Drillman. Drillman's capabilities are now offering an even greater value-added service to our international clientele after we recently acquired the Global Exploration Business from Sandvik Mining and Rock Technology in a deal that includes exploration rigs, consumables, and production stocks, along with some trademarks and patents.

## How do you look at the market for the construction equipment market and your products in India?

The outlook for the market is excellent. Our equipment has some good requirements. As you are aware, there are currently government programmes that encourage Make in India to expand and meet the demands of the nation. The market looks very positive. Because of the importance of safety, labour-saving devices are required for the machine. Also, lead generation machines are required. Multinationals have a major role to play. They build their rigs here, which in turn provides business to us.

## Are all your products completely made in India?

At the moment, it's quite diversified. We manufacture some



drills in Finland, while some are in Australia, Canada, and India. Depending on the need of the country, the building facility will be specific to that country.

## Nowadays, OEMs are looking for intelligent solutions to improve their productivity. So, how is your company helping with the equipment?

The new-generation machines will be the trendsetter machines coming forward. We are into drilling machinery business. So, we see here how the parameters can be controlled well with new-generation machines, and the second could be safety. Safety is built into the culture of mining. We see there is a great opportunity to have digital machines.

## How do you IoT and digital technologies are evolving in the business you are in?

Digital technology will come to supplement your GPS tracking, parameter tracking, and remote-

control operation. So, these are the three fields where you can build up digital tracking.

## Are there any new products in the pipeline?

We have plans to build new machines, which are required especially in mine sites. These are tyre-mounted machines. We also need to record data in time. We have also planned to upgrade our technology. We also have plans of putting up a plant in India to build projects.

## The Ukraine-Russia war has disrupted the supply chain. What has been the impact of this on your business? How did you overcome those challenges?

Yes, we had a disruption in our supply chain, and our customers did suffer because of the Ukraine-Russia war. Globally every company is thinking of a plan B on how to be self-independent in the supply chain and to have more manufacturing indigenously.

We are shifting to countries like India, where we can have our independent supply chain. There will be a Plan B, and we can source from those countries.

There has been a lot of transparency in setting up companies. At the ground level, there are a lot of bottlenecks and difficulties. The government is seeing at a macro level but it doesn't happen at a micro level. When you deal with state governments or government agencies, new companies face a lot of difficulties.





Scan to read



# "OUR FOCUS IS ON SUSTAINABILITY."

**Dr Arabinda Bandyopadhyay, Chief Technologist, CDE Asia, speaks on IoT and digital technologies that are evolving in processing.**

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

As far as the coal mines are concerned, there is a huge potential. As regards mineral mines like iron ore, the market is decent. These are the main major sectors of mining, and I don't think the possibilities are very high. Equipment with high manpower requirements, or equipment that can be easily controlled or remote-controlled equipment will be in greater demand.

## Which equipment do you think will drive the demand in the mining segment?

My domain is processing and I can answer only from the processing point of view. Basically, what will be driving the industry will be drilling, blasting, huge loaders, and excavators. High-productivity equipment will be the major driver. It has always been, but the demand for such improvements will be even better when the manpower requirement is less.

## How IoT and digital technologies are evolving in processing?

The control systems in the plant don't require much human intervention. Such systems (IoT and embedded systems) will be very much important, as they can be monitored from long distances – even from the central control points.

## How do you ensure preventive and periodic maintenance of your equipment? What are the key maintenance practices to be followed for the upkeep of



## the equipment?

The demand now is for higher availability of equipment. The material for construction should be such that the wear part will be lower because mining is a very harsh industry, and it requires frequent replacement of parts. So, anything which can improve the quality of the worn parts is definitely in demand.

As far as the Indian scenario is concerned, especially in iron ore or coal, coming to a restriction or the movement of material, you cannot take it out of the mines. In Goa, there was only one mine from where all the mines were feeding the project. Now, they have put a restriction on the amount of material you can transfer, including raw materials. So now they have to go into the concept of modular plants. The modular plants should be skid mounted, and they should have a very high recovery ratio of water. The power should be lower. The movement of material within the system has to be such that you don't require huge power.

So, the plants have to be complex.

## What are the major challenges faced in the sector that you are in?

In the mineral sector, the grades are becoming lower and lower. The one challenge is recovering from the very finds. Due to climatic conditions, there are a lot of restrictions due to power. The power component of any machine is very important. The cost per tonne of power should be low.

As I told you, in control systems, the safety of manpower is a big issue. These are the various challenges, which has to be incorporated into the design of the plant itself.

## How important is R&D for your company?

R&D plays a very important role. It develops the process. For recovering from low grade, the R&D has to develop the process of optimum grade recovery ratio. The second is the material of construction. For example, equipment manufacturers have to spend a lot of time and money on developing proper equipment.

## How about sustainability in the mining industry?

Our focus is on sustainability. Sustainability has two aspects. One is that the mining has to be based on lower grades. You have to mine lower grades and produce good-quality materials. The second aspect is recovering from the earlier. Apart from this, there should be good technology, minimum water requirements, minimum power requirement, lower noise level, etc.



Scan to read



# "IN INDIA, THERE IS A NEED FOR 1 MT OF AMMONIUM NITRATE."

**Vivek Misra, Associate Vice President, Business Excellence and Transformation, Smartchem Technologies, speaks on the various challenges faced by the company.**

**Give us a brief introduction to the company. Also, explain the company's offerings.**

Smartchem Technologies is a 100 per cent subsidiary of Deepak Fertilizers and Petrochemicals. The business has a production facility in Talaja and its corporate headquarters in Pune. We operate in the mining chemicals and industrial chemicals business verticals. We manufacture gases and acids in industry chemicals that are used in the pharmaceutical business. Additionally, we offer specialised fertilisers for the agricultural industry.

We produce technical ammonium nitrate in the mining chemicals industry, which is used to make explosives. These explosives are then used in blasting various minerals, such as coal, limestone, and iron ore, and other infrastructure-related areas.



Power generation also makes use of ammonium nitrate.

Our two business sectors help the country flourish by supplying infrastructure and energy. We concur with the PM's goal of an Atmanirbhar Bharat. In order to support these efforts, we are attempting to expand

our capabilities.

**What are the various challenges by your company?**

We are having more difficulty as a nation becoming self-sufficient. Power is more and more in demand. However, the necessary activity is still incomplete due to several restrictions. Not being able to do as much blasting is one of the limitations. In India, there is now a need for about 1 MT of ammonium nitrate. The combined production capacity of the four Indian producers is only 7,00,000 to 7,50,000 tonne. The distance is vast. This chemical is imported for this reason. However, there are numerous obstacles in the way of imports.

Shipping problems have been widespread as a result of Covid and the ongoing Russia-Ukraine conflict. There has been a limitation on the supply of ammonium nitrate. The business community is working to find solutions. Various participants are increasing their capacities and even debottling. In order to add an additional 90,000 tonne, even we are debottling.

**Performance-wise, how was the year 2022 for the company? What are your plans for 2023?**

The year 2022 was a mixed year. It had a strong start to the quarter. The mining activity was then minimal during rainy seasons. The demand for the product decreased as a result. The second quarter was considerably less than the first. But all together, we did quite well compared to the year before.





## Cummins unveils CV industry's first fuel agnostic platform

Cummins Group in India, a leading power solutions technology provider, unveiled the commercial vehicle industry's first fuel agnostic platform and its diversified range of hydrogen technologies power solutions at Auto Expo 2023 in India Expo Mart, Noida.

At the product launch event, organised in the Cummins Group in India booth situated in Hall Number 15 of AUTO EXPO 2023, the company brought its Destination Zero strategy to life by unveiling low-zero emission products focused on decarbonisation. The launch event was presided over by senior officials from Cummins where the leadership team reinforced that Cummins is actively working to transition its customers to products that ultimately eliminate carbon



emissions and will have the right products to serve customers throughout the transition.

With over a century of experience as a global power leader and a six-decade presence in India, Cummins is solidifying its commitment to providing comprehensive zero-emissions technology along with other

intermediate low-carbon solutions on a global scale. Its multipath decarbonisation approach is based on the premise that the adoption of new technologies must address diverse customer needs such as power requirement, payload, range, and total cost of ownership economics, along with infrastructure and resource availabilities. Hence, rather than a one-size fits all solution, Cummins believes there are multiple approaches and technologies that can help in progressing toward the net zero goals.

Speaking at the launch event, Ashwath Ram, Managing Director, Cummins Group in India, said, "We share India's vision of 'Energy for Sustainable Growth' and achieving net zero carbon emissions by 2070."

## Blume Ventures collaborates with India

In order to take advantage of India's thriving start-up community in the mobility solutions sector, Blume Ventures, India's top domestic venture, has partnered with Bridgestone India, a division of the Bridgestone Group, a global leader in tyres and rubber that offers solutions for safe and sustainable mobility. The collaboration with Blume Ventures aims to become a part of the government's "Start-up India" initiative and work with the ecosystem to support innovation and start-ups in the mobility sector.

Bridgestone India made the decision to collaborate with Blume Ventures, a company that supports

businesspeople who are creating products to address significant challenges in India or exporting the best of Indian innovation to foreign markets. The diverse mandate extends from EdTech, FinTech, Health, Commerce and Consumer internet in the former to Deep-Tech, AI to SaaS and enterprise software in the latter category. Blume focuses on early-stage, innovative technology-led start-ups. This fits into Bridgestone's interest in creating a vibrant mobility solutions space in India.

"Bridgestone India's partnership with Blume Ventures will deepen and widen our innovation strategy and will



nurture our leadership role in the introduction of new mobility services. The corporate venture partnership will allow us to accelerate our strategy of exploring new and disruptive models in the mobility ecosystem. As a partner, Bridgestone brings its global leadership position to the Indian market and to India's growing start-up space", said **Parag Satpute, Managing Director, Bridgestone India.**



**CWoW**  
Construction World on WhatsApp

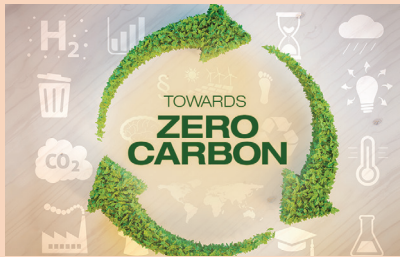
HOW CEOs  
KEEP  
UPDATED!



Give a missed call on **86574 75330** and save the number to continue to receive updates

FOR REGULAR UPDATES

## JK Tyre targets carbon net zero by 2050



According to a statement from JK Tyre, the company has established a goal of becoming carbon-neutral by 2050. According to the statement, it aspires to be the “Greenest Company” and is trying to achieve efficiency in areas that contribute to sustainability goals for 2030.

JK Tyre has reportedly been taking steps to lower energy consumption, which has enabled the business to obtain 53 per cent of its energy from renewable sources. It aims to reach 75 per cent in the following five years.

JK Tyre, one of the cleanest tyre producers, employs a low-carbon approach that will serve as the cornerstone of our further expansion. In the last eight years, we have reduced our GHG emissions by almost 57 per cent, and by 2050, we want to be carbon neutral. The company claims to have the lowest water consumption in the tyre industry and says it is a zero-discharge company.

The company is working towards being more environmentally responsible by producing more from less and reducing energy intensity, and greenhouse gas emissions.

## Atlas Copco pumps enable critical operations in underground Swedish mine

Atlas Copco has published a case study outlining how its WEDA submersible pumps are enabling critical operations in an underground Swedish mine.

In continuous operation since 1857, Zinkgruvan is one of the oldest underground mines in Sweden. It is located close to the town of Askersund, in an area known for its mining tradition, 250 km southwest of Stockholm, and was acquired by the Canadian Lundin Mining Corporation in 2004. Zinkgruvan comprises a well-organised underground structure of tunnels and a processing plant, producing zinc, lead, and copper concentrates. To ensure the efficient and safe extraction of the ore, Atlas Copco WEDA submersible pumps deliver under extreme conditions to avoid flooding.

The mine operates all year round, 24 hours a day and seven days a week, which means three different shifts during a working day for its 460 employees. A halt on site would have a significant impact on its overall efficiency, resulting in significant costs for operators. The role of the dewatering pumps working underground is therefore critical to ensure the correct development of the extraction and to meet productivity targets. Zinkgruvan Mining has chosen Atlas Copco's WEDA D line of electrical submersible pumps to conduct some of the most demanding dewatering operations.

Jan-Erik Mogren, who has been



working at Zinkgruvan Mining for over 40 years and has been the Dewatering Pumps Service Supervisor for the last 10, explains: “We have different models of the WEDA D line working underground, up to 1400 m deep, because the pumps have proven to be very reliable in handling both clean and dirty water with small solids and particles. In harsh applications, common in the mining sector, these suspended solids can cause excessive abrasion and wear to the internal workings of the pump.” However, Mogren goes on to say that “WEDA pumps show good efficiency over time, which is of primary importance to ensure smooth operation at the Swedish mine.”

“It excites us to hear that our users value the effort we put into making the pumps more reliable and durable,” says Bart Duijvelaar, Product Marketing Manager, Submersible Pumps at Atlas Copco. “When we add new features, such as the patented Wear Deflector Technology, we must not lose sight of what makes these pumps practical at the job site.”



**CWOW**  
Construction World on WhatsApp

HOT OFF  
THE PRESS  
CONSTRUCTION  
INFORMATION



Give a missed call on **86574 75330** and save the number to continue to receive updates

FOR REGULAR UPDATES



# GENIE'S HIGH-CAPACITY GTH-1256 TELEHANDLER

With the addition of the 12,000-pound lifting GTH-1256 high-capacity telehandler, Genie has improved its product portfolio. The GTH-1256, according to the manufacturer, offers the highest lift capacity of any telehandler in its class. That is 3,500 pounds at a maximum outreach of 42 feet and 6,000 pounds at a maximum height of 56 feet 3 inches.

It has a side-mounted, 120-horsepower Deutz engine and a powershift transmission with four gears. The GTH-1256, according to Genie, provides 15 per cent better efficiency in power transfer for picking and placing tasks. Additionally, it has full-time four-wheel drive, limited slip differentials on both axles, and single-reduction, planetary, specialised, and transaxle lines for power and performance on any surface.

The new GTH-1256 shares many features and parts with the other GTH product line. The cab offers improved visibility of all four tires, a 7-inch display, a reverse backup camera, rear proximity alarm and an A/C system.

Enduro A/T tyres from Genie are included. According to Genie, a large centre bar provides superior wear on hard grounds, while self-cleaning outside lugs can navigate through



muddy, soft ground without becoming clogged.

The GTH-1256 and Genie's 10,000-pound-capable telehandler, the GTH-1056, both have the same attachments. These include rotating and swing carriages in three sizes, 48, 60, and 72 inches. The Quick Attach mechanism for Genie makes switching out attachments quick and easy. According to Genie, this ease of use and accessibility of attachments allow fleet owners the chance to improve the diversity of their fleet in an economical way, resulting in lower expenses and a greater ROI.

"This is a high-capacity telehandler

designed, built and extensively tested for the realities of heavy-duty jobs," says Genie Senior Product Manager Amalija Kopac. "When we were designing and testing this machine, we prioritised durability and reliability, along with a reduced total cost of ownership and productivity, ensuring our 12k telehandler will deliver the performance and longevity needed by equipment operators and owners — now and well into the future."

The company hinted that more new models may be on the horizon, saying, "This is the next step as Genie develops and expands our telehandler family."



**CWoW**  
Construction World on WhatsApp

85% OF INDIA'S TOP  
CONTRACTORS  
ARE ON CWoW,  
ARE YOU?



Give a missed call on **86574 75330** and save the number to continue to receive updates

FOR REGULAR UPDATES

# DOOSAN'S FIRST "SMART EXCAVATOR" – DX225LC-7X

**D**oosan Infracore North America has added an electronically-controlled excavator model with machine-assisted technologies to its next generation of crawler excavators in the United States.

The fully electro-hydraulic control system on the DX225LC-7X crawler excavator enables advanced machine guidance and machine control systems. This includes a 2D and upgradable 3D grading system.

The DX225LC-7X is part of the company's excavator plans for 2022 and 2023 as it replaces Doosan-5 models. The Doosan -7 Series crawler excavators, including the standard DX225LC-7, feature higher digging forces and lifting capacities and increased fuel efficiency. Diesel engines in the excavators will continue to meet Tier 4 Final emissions standards without diesel particulate filters.

The larger models will come with D-ECOPower for saving fuel. Models now available for dealers to order include the reduced-tail swing 14-metric-tonne DX140LCR-7, the DX225LC-7, the DX255LC-7 and the DX350LC-7.

"Doosan continues to build on the success of its existing excavator platform with more machine features



that help our customers improve their productivity," says Joel Escalante, product specialist. "We've enhanced the excavator cab with additional comfort features and now offer an all-around view monitor for even better operator visibility of the job site."

Upgrades to standard machines are an improvement in efficiency and productivity from previous models. However, he suggests the DX225LC-7X takes control to another level.

"The reason we put the DX225LC-7X as a different machine is because the DX225LC-7X has a fully electro-hydraulic system," Escalante says. "What that means is the controls, your joysticks, have no pilot hoses; it's all electronic."

The technology on the machine includes programmable joystick switches for ease of operation, a fully electronic joystick, a rotary sensor, and equipment sensors on the boom, arm, bucket, and upper body of the

DX225LC-7X, including a laser catcher. This system allows the excavator to provide supplementary assistance with precision functions and tasks and results in greater productivity and efficiency. For the operator, the joystick and pedals are fully electric but give the operator the same feeling as the regular hydraulic joysticks. "The difference is that on the standard machines you have pilot hoses sending the signal for a specific function they're doing to control the bucket the arm, boom, etc.; whereas, on the -7x system, it's all electrical, and the computer is telling the pilot system and the main control valve what to do the moment the operator starts functioning the joysticks," he says.

For now, the DX225LC-7X is the only Doosan -7 series model to have this option. With the 22.5-metric-ton machines being one of Doosan's top sellers worldwide, it made sense for it to be the first model with electronic controls. Escalante says the company is developing the technology on other models. Escalante says Doosan recently had the DX225LC-7X at its demo centre, and customers were fascinated by how easy it was to operate.

Despite being a technological advancement for the Doosan excavators, the controls are a lot easier.



**CWoW**  
Construction World on WhatsApp

INDIA'S LARGEST  
**CONSTRUCTION  
COMMUNITY  
ON WhatsApp**



Give a missed call on **86574 75330** and save the number to continue to receive updates

**FOR REGULAR UPDATES**



# DRESSTA INTRODUCES TD-15M, TD-25M CRAWLER DOZERS

In North America, Dressta has introduced two new dozers in the mid- and heavy-size categories.

The new TD-15M and TD-25M dozers, according to the manufacturer, were designed with the operator in mind to decrease operator fatigue, save operating costs, and boost uptime.

Customers working on roads, landscaping, forestry, and landfills are the target market for the mid-size TD-15M. The bigger TD-25M is designed for demanding uses like mining and quarries.

"We're excited to bring these new TD-15M and TD-25M crawler dozers to North America," said Chris Saucedo, SVP of strategy and customer solutions of Dressta parent company LiuGong North America. "The power, rugged toughness and ease of use for operators are key selling points for these two machines."

With a weight capacity of 45,660 to 47,780 pounds and a turbocharged Cummins engine with up to 232 horsepower, the TD-15M is a mid-size dozer. The TD-25M, its larger sibling, can carry up to 92,410 pounds in its frame and 375 horsepower from its turbocharged Cummins engine to handle heavy workloads. These engines, in accordance with Dressta, produce more peak torque and have excellent fuel efficiency.

With a 472 kN drawbar pull in the TD-15M and a 794 kN drawbar pull in the TD-25M, respectively, produced through a three-speed power shift transmission and a two-speed steering drive, respectively. The unique drive delivers 100 per cent of the engine's power to both tracks, allowing operators to push a full load through turns without losing material.

Additionally, new electro-hydraulic



proportional joysticks provide predictable and precise blade control, helping operators to accurately control the dozers with minimum effort, the company says. There are three intelligent blade speeds of slow, neutral and fast, which adjust to the application for increased accuracy and precision. Dressta's load sensing system automatically adjusts the speed of the blade's working movements to the load, resulting in fewer unnecessary passes and higher fuel economy, the company says.

Each model is built on Dressta's one-piece weldment mainframe and heavy-duty steel track frame system. These modular undercarriage components are manufactured for extended wear and easy removal and replacement.

With the modulator design, all major components can be replaced in the field in just a few hours, the company says. In addition, all service and maintenance points are marked and easily accessible, with diagnostic

points conveniently grouped. The onboard system provides the operator with a range of status data including the incoming daily services.

The TD-25M is grade-control ready with a choice of Trimble systems for road and highway applications fitted at factory.

Both dozers' cabs offer 33 per cent more glass surface area, a tapered engine hood with clear sight lines to the blade corners, a rearview camera (optional on TD-15M, standard on TD-25M) and additional ripper lighting. Also, both models have left and right ergonomic joysticks, a 7-inch full-colour monitor and high-efficiency air-suspended high-back seating. In addition, Dressta added Bluetooth connectivity. An improved climate control system features nine air outlets.

The dozers can be spec'd with wide or long tracks, rippers with single or multiple shanks, landfill configuration and rigid or angle blades.

# NEXT-GEN eDingo 500 COMPACT UTILITY LOADER BY TORO

**T**oro debuted its next-generation electric stand-on eDingo 500 compact utility loader at World of Concrete.

Also known as a mini skid steer, the new eDingo 500 comes with a more powerful 13.5-kilowatt-hour HyperCell Power System for “all-day runtimes and quick charging,” Toro says. It also comes with a new onboard charger. Charging it overnight by plugging it into a wall outlet will yield eight hours of continuous runtime, according to San Dando, Toro product marketing manager.

The electric motor is designed to be quiet and reduce vibrations, Dando said. “It is one of the smoothest and

easiest-to-control Dingos in the market.”

Toro introduced its first electric eDingo 500 in 2020 as its first lithium-ion battery-powered compact utility loader, and the new version incorporates lessons learned from the groundbreaking CUL, Dando said.

The new eDingo is narrower. At 30 inches wide it can fit through doorways. It also has a higher hinge pin height of 81 inches, enabling it to dump into standard Dumpsters.

Toro has geared the compact loader for indoor construction and demolition work, where emissions are an issue. It can replace manual heavy or continuous operations.

As an example, the eDingo 500 demonstrated at the company’s booth at World of Concrete was equipped with a floor scraper attachment and was used to remove tile.

The eDingo 500 can run other Toro attachments, such as a hydraulic breaker, various buckets, adjustable forks, a grapple, leveler and mixer bowl. Other features on the CUL include a 1,200-lumen work light; and charging cord compartment storage.

Toro says the eDingo can also maneuver in tight spaces with zero-turn. It can travel up to 2.7 mph.

The eDingo delivers 6.5 gallons per minute of hydraulic flow and has a rated operating capacity of 515 pounds.

# MAZIO ATTACHMENTS TO INTRO TILT-ROTATOR

**L**ocated at Booth W43211 in West Hall at Conexpo-Con/Agg, Mazio, an Italian manufacturer of specialised attachments, will showcase its new tiltrotator for excavators. The tiltrotator features 360 degrees of rotation and the ability to tilt side-to-side by up to 55 degrees. This reduces the need for the operator to move the excavator while performing tasks — increasing productivity and efficiency, Mazio says. The supplemental attachment works with excavator tools, such as grapples, buckets or shears, to provide more versatility and precision on the jobsite and in the quarry. Using a tiltrotator allows operators access to narrow spaces with large or small equipment.





## CEMENT

**1 | Oil India**

**Details:** Tenders are invited for providing cement additives for low-salt slurries.

**Submission date:** February 22, 2023

**Location:** Duliajan, Assam

**Contact:** P.O. Duliajan-786602, Assam. Fax: 0374-2800533, **Email:** material@oilindia.in

## CONVEYOR

**2 | Northern Railway**

**Details:** Tenders are invited for the supply of waste conveyor belts.

**Submission date:** February 17, 2023

**Location:** New Delhi, Delhi

**Contact:** Principal Chief Materials Manager, Baroda House, New Delhi, Delhi.

**Tel:** 011-23384008

**3 | Northern Railway**

**Details:** Tenders are invited for the distributor/discharge conveyor belt supply.

**Submission date:** February 17, 2023

**Location:** New Delhi, Delhi

**Contact:** Principal Chief Materials Manager, Baroda House, New Delhi, Delhi.

**Tel:** 011-23384008

**4 | Northern Railway**

**Details:** Tenders are invited for the supply of the main conveyor belt for BCM (open end) size: 40000 x 800 x 10 mm

**Submission date:** February 20, 2023

**Location:** New Delhi, Delhi

**Contact:** Principal Chief Materials Manager, Baroda House, New Delhi, Delhi.

**Tel:** 011-23384008

**5 | Bokaro Power Supply Company**

**Details:** Tenders are invited for the procurement of rubber conveyor belts.

**Submission date:** February 10, 2023

**Location:** Bokaro, Jharkhand

**Contact:** (A K Das) CGM (MM), Hall No: - M-01, Old Administrative Building, Ispat Bhavan, Bokaro Steel City-827001, Jharkhand.

**Mob:** 08986874119, **Email:** purchase.bpscl@gmail.com

**6 | Deutsche Gesellschaft Für Internationale Zusammenarbeit**

**Details:** Tenders are invited for the supply and installation of material recovery facility (MRF) equipment - conveyor system.

**Submission date:** February 10, 2023

**Location:** Kanpur, Uttar Pradesh

**Contact:** Head of Contracts and Procurement, GIZ Country Office, German Development Cooperation office, 46 Paschimi Marg, Vasant Vihar, New Delhi-110057, Delhi. **Email:** Qn\_quotation@giz.de

**7 | West Bengal Power Development Corporation**

**Details:** Tenders are invited for procurement of LT motors for different conveyors, sump pumps, and other equipment of CHP, and BTPS.

**Submission date:** February 13, 2023

**Location:** Hooghly, West Bengal

**Tender value (₹):** 1,173,581

**Contact:** Sr. Manager (Purchase) Bandel Thermal Power Station, PO Tribeni, Hooghly-712503, West Bengal. **Tel:** 033-26812311, **Email:** purchase\_btps@wbpdcl.co.in

**CRANE****8 | Indo Tibetan Border Police**

**Details:** Tenders are invited for the supply of engine-lifting hydraulic cranes for truck engines.

**Submission date:** February 17, 2023 **Location:** Dibrugarh, Assam

**Contact:** New Delhi, Delhi. **Tel:** 011-24368237, 24363940, **Email:** itcelladmn@itbp.gov.in

**9 | Oil India**

**Details:** Tenders are invited for providing a custom bid for services - hiring services of br new 60 mt crane

**Submission date:** February 10, 2023 **Location:** Duliajan, Assam

**Contact:** Moran-785669 Dist: Sivasagar, Assam. **Tel:** 03754-224031 / 224031,

**Fax:** 03754-224034, **Email:** oilmoran@oilindia.in

**10 | Dakshinanchal Vidyut Vitran Nigam**

**Details:** Tenders are invited for AMC of the EOT crane at various workshops under EWC.

**Submission date:** February 17, 2023

**Location:** Agra, Uttar Pradesh

**Contact:** Superintending Engineer (Workshop), Urja Bhavan, NH-2, Sikandra, Agra-282007, Uttar Pradesh. **Mob:** 09068944455, **Email:** revampdvvn@gmail.com

**11 | Uttar Pradesh Jal Vidyut Nigam**

**Details:** Tenders are invited for the painting of the entire crane after proper surface preparation and application of one coat of primer and two coats of good quality synthetic enamel paint for 100 20-tonne dams top gantry crane at Rihand Power Station, Pipri, Sonebhadra

**Submission date:** February 13, 2023 **Location:** Sonebhadra, Uttar Pradesh

**Contact:** Executive Engineer, Electricity Generation Division, Pipri, P.O.-Turra, Distt.-Sonebhadra-231221, Uttar Pradesh. **Tel:** 05446-252042, **Email:** eegdpipri@gmail.com

**12 | Damodar Valley Corporation**

**Details:** Tenders are invited to the procurement of spares for the main plant TG floor overhead crane on an OEM basis.

**Submission date:** February 10, 2023 **Location:** Bardhaman, West Bengal

**Contact:** Superintending Engineer, Raghunathpur Thermal Power Station PO: Nildih, Dumdumi, Dist Purulia-723133, West Bengal. **Tel:** 06540-286308, **Fax:** 06540-286308, **Email:** rajesh1.kumar@dvc.gov.in, anjan.sadhukhan@dvc.gov.in.



## DUMPER

**13 | National Mineral Development Corporation**

**Details:** Tenders are invited for supply, supervision of assembly, and commissioning of a total of one rear dump truck with a 40-tonne capacity with operation and maintenance spare for six years / 7,500 hours (Cost Cap arrangement) for NMDC, Diamond Mining Project, Majhgawan.

**Submission date:** February 24, 2023 **Location:** Panna, Madhya Pradesh

**Contact:** CGM (Materials), Khanij Bhavan, Masab Tank, Hyderabad-500028, Telangana. Tel: 040-23538713-21, Fax: 040-23538711.

## EXCAVATOR

**14 | Northern Coalfields**

**Details:** Tenders are invited for the procurement of spares for pc 2000-8 hydraulic excavator.

**Submission date:** February 13, 2023 **Location:** Singrauli, Madhya Pradesh

**Tender value (₹):** 121,774,862

**Contact:** General Manager, Contract Management Cell P.O. Singrauli Colliery, Dist. Singrauli-486889, Madhya Pradesh. Tel: 07805-266394, Fax: 07805-266640,

**Email:** gmcnc.ncl@coalindia.in, **Web:** www.coalindiatenders.nic.in

## TRACTOR

**15 | Bihar Co-operative Department**

**Details:** Tenders are invited for the supply of tractor-operated disc plough (q3).

**Submission date:** February 16, 2023 | **Location:** Patna, Bihar

**Contact:** Veerchand Patel Road Area, Patna-800015, Bihar. **Tel:** 0612-2200693

**16 | Bihar Co-operative Department**

**Details:** Tenders are invited for the supply of tractor-operated reaper cu m binder (q3).

**Submission date:** February 16, 2023 | **Location:** Patna, Bihar

**Contact:** Veerchand Patel Road Area, Patna-800015, Bihar. **Tel:** 0612-2200693

**17 | Bihar Co-operative Department**

**Details:** Tenders are invited for the supply of hydraulic tractor trailer-is:8213 (q3)

**Submission date:** February 11, 2023 | **Location:** Patna, Bihar

**Contact:** Veerchand Patel Road Area, Patna-800015, Bihar. **Tel:** 0612-2200693

## TRUCK

**20 | North Central Railway**

**Details:** Tenders are invited for the supply of an electric four-wheeler truck with a hydraulic side wall platform and a MOSFET controller.

**Submission date:** February 14, 2023

**Location:** Jhansi, Uttar Pradesh

**Contact:** Principal Chief Materials Manager, Allahabad-211011, Uttar Pradesh



# ★ VIP OFFER ★

## BAG THIS CONTRACT ASAP!



## FREE PREMIUM GIFTS FOR SUBSCRIBERS

MAGAZINE	3 YEARS SUBSCRIPTION			
	PRICE	15% DISC	YOU PAY	FREE GIFTS
CONSTRUCTION WORLD	7200	1080	6120	I TECH SATCHEL LAPTOP ₹4950 (MRP)
EQUIPMENT INDIA	5400	810	4590	TITAN DUFFLE TROLLEY ₹3980 (MRP)
INDIAN CEMENT REVIEW	5400	810	4590	TITAN DUFFLE BAG ₹2150 (MRP) + CENTURY LAPTOP BACKPACK ₹2450 (MRP)
INDUSTRIAL PRODUCTS FINDER	5400	810	4590	TITAN DUFFLE BAG ₹2150 (MRP) + CENTURY LAPTOP BACKPACK ₹2450 (MRP)
THE INDIAN TEXTILE JOURNAL	5400	810	4590	TITAN DUFFLE TROLLEY ₹3980 (MRP)
PROJECT REPORTER	10500	1575	8925	VIP STROLLEY ₹8500 (MRP)

**CONSTRUCTION WORLD**

**EQUIPMENT INDIA**

**INDIAN TEXTILE JOURNAL**

(Either of the two magazines)

**INDIAN CEMENT REVIEW**

**INDUSTRIAL PRODUCTS FINDER**

(Either of the two magazines)

**PROJECT REPORTER**



I TECH SATCHEL  
LAPTOP



TITAN DUFFLE  
BAG



CENTURY LAPTOP  
BACKPACK | TITAN DUFFLE  
BAG



VIP  
STROLLEY

[www.ASAPPinfoGLOBAL.com/Subscription](http://www.ASAPPinfoGLOBAL.com/Subscription)



MAGAZINE	5 YEARS SUBSCRIPTION			
	PRICE	30% DISC	YOU PAY	FREE GIFTS
CONSTRUCTION WORLD	12000	3600	8400	VIP STROLLEY ₹8500 (MRP)
EQUIPMENT INDIA	9000	2700	6300	I TECH SATCHEL LAPTOP ₹4950 (MRP)
INDIAN CEMENT REVIEW	9000	2700	6300	I TECH SATCHEL LAPTOP ₹4950 (MRP)
INDUSTRIAL PRODUCTS FINDER	9000	2700	6300	I TECH SATCHEL LAPTOP ₹4950 (MRP)
THE INDIAN TEXTILE JOURNAL	9000	2700	6300	I TECH SATCHEL LAPTOP ₹4950 (MRP)
PROJECT REPORTER	17500	5250	12250	VIP STROLLEY ₹8500 (MRP) + TITAN DUFFLE TROLLEY ₹3980 (MRP)

**CONSTRUCTION WORLD**



VIP  
STROLLEY

**EQUIPMENT INDIA**  
**INDIAN TEXTILE JOURNAL**



I TECH SATCHEL  
LAPTOP

**INDIAN CEMENT REVIEW**  
**INDUSTRIAL PRODUCTS FINDER**

**PROJECT REPORTER**



TITAN DUFFLE  
BAG

VIP  
STROLLEY

(Any of the four magazines)

## COMBO OFFERS

3 YEARS

**CONSTRUCTION WORLD**

+

**EQUIPMENT INDIA**

5 YEARS



CW + EI	YOU PAY	FREE GIFTS
3 YEARS COMBO	10710	VIP STROLLEY ₹8500 (MRP) + CENTURY LAPTOP BACKPACK ₹2450 (MRP)
5 YEARS COMBO	14700	VIP STROLLEY ₹8500 (MRP) + TITAN DUFFLE TROLLEY ₹3980 (MRP)



\*CONDITIONS APPLY



CALL: 8657581494 / 8422874048

✉ Subscriber@ASAPPinfoGlobal.com



www.ASAPPinfoGLOBAL.com/Subscription

**ASAPP**<sup>®</sup>  
INFO GLOBAL GROUP

ASAPP Info Global Services Pvt Ltd.

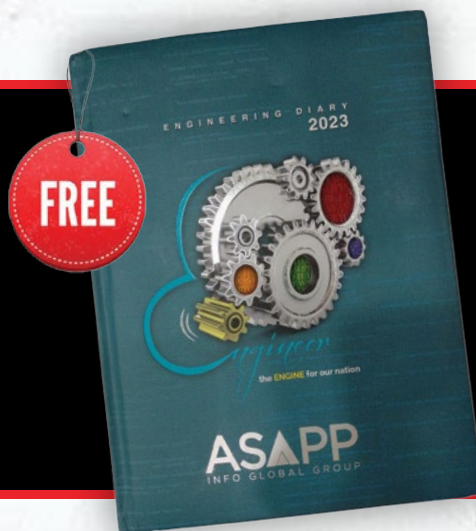
A-303, Navbharat Estate, Zakaria Bunder Road, Sewri (West), Mumbai-400 015.

Tel: +91-22-2419 3000



SCAN TO PAY!

# FREE ENGINEERING DIARY 2023 WITH ONE YEAR SUBSCRIPTION



UNTIL STOCKS LAST

MAGAZINE	PRICE	10% DISC	YOU PAY
CONSTRUCTION WORLD	2400	240	2160
EQUIPMENT INDIA	1800	180	1620
INDIAN CEMENT REVIEW	1800	180	1620
PROJECT REPORTER	3500	350	3150
THE INDIAN TEXTILE JOURNAL	1800	180	1620
INDUSTRIAL PRODUCTS FINDER	1800	180	1620

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](http://www.ASAPPInfoGlobal.com)

Name \_\_\_\_\_ Designation \_\_\_\_\_

Company \_\_\_\_\_ Address \_\_\_\_\_

Date of Birth \_\_\_\_\_

City \_\_\_\_\_ Pin \_\_\_\_\_

Tel: (Resi) \_\_\_\_\_ (Off) \_\_\_\_\_ Fax \_\_\_\_\_

Mobile: \_\_\_\_\_ E-mail: \_\_\_\_\_

## Terms & Conditions:

- ASAPP Info Global Services Pvt Ltd does not entertain cancellation of subscription after commencement of the same. No Request for will be entertained.
- Annual subscription rates mentioned above are for delivery in India. Postal deliveries may take upto 7-10 days from the date of dispatch.
- Courier / R.P.P. delivery is charged @ Rs.600/- per annum in addition to the subscription cost.
- 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.
- 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.
- Don't make subscription payment to any agents / booksellers unless confirmed with us. We can provide list of authorised agents on request.
- All disputes are subject to the jurisdiction of competent Courts/Forums of Mumbai.

8657581494 / 8422874048

Subscriber@ASAPPInfoGlobal.com

[www.ASAPPInfoGlobal.com/Subscription](http://www.ASAPPInfoGlobal.com/Subscription)



ASAPP Info Global Services Pvt Ltd.

A-303, Navbharat Estate, Zakaria Bunder Road, Sewri (West), Mumbai-400 015.  
Tel: +91-22-2419 3000



SUBSCRIBE NOW



Scan to read



# EVEREST: EXCLUSIVE DISTRIBUTOR OF GJJ HOISTS

**S**ince 2012, Everest Engineering Equipment has been the exclusive distributor of GJJ passenger hoists and platforms in India. The company has grown tremendously with many new customers and repeat buyers, says **PV Ramdev, Managing Director, Everest Engineering Equipment.**

He added, "Everest is gearing up to expand its footprints into each corner of India, and setting up a manufacturing plant near Mumbai to develop world-class equipment with an eye to export markets."

Some of the unique features of the GJJ hoist are:

- GJJ hoists are not new in India, with customers like L&T, Lanco, and are having 18-20 years old hoists, which are still working well.
- The structure is of ST52-3 with high tensile strength and thus wall tie supports are required at an interval of 9 to 10 m distance only. The number of supports is less than other hoists
- GJJ unique design gives a power saving of 35 to 40 per cent with a full load and full speed
- Fully galvanised structure enables a life span of 20 to 25 years
- SEW/Nord drive mechanism with Siemens PLC and VFD gives the highest reliability
- Standard cage size of 3.2m length x 1.5m width x 2.35m height, and bigger cage sizes of 3.6m length x 1.5m width x 2.35m height, 4.0m length x 1.5m width x 2.35m height. Even the width is up to 2m
- Foolproof safety from all aspects and meets European standards
- GJJ standard hoist is designed



to go up to 500m height with 24 passengers

- Speeds from 46m/min to 96m/min according to the height/speed requirements
- Buyback offered for up to four years

## Business expansion plans

Says Ramdev, nowadays, buildings are made up to 400m high, the locally made equipment can go up to 100 to 150m. GJJ standard passenger hoist can easily reach 500m and have an average lifespan of 20 years. At our R&D centre, we will make the products as per international standards. We will develop, document and do stringent quality control since we also plan to target the export market.

Our sales and service team are present all over India. We recently expanded our dealer network to reach every part of India and ensure services within 24 hours in any part of India. This service efficiency has been the sole reason behind our spectacular growth."

Because of the highest safety and reliability, the recent orders from Tata Steel, and Kalinga Nagar Odisha, to name a few are feathers on our cap.

## Rebar processing equipment

"Our high-speed CNC rebar processing equipment like a stirrup bender, double bender, lattice girder machines, shear line, weld mesh plant and pile cage making machines are in high demand. Infrastructure construction are getting increased day by day at a higher pace. These types of high-speed equipment are inevitable to achieve the project timelines," he says.

## Safety

"We have a separate safety department with a safety officer and supervisors to teach and implement the highest safety standards on every customer site. We maintain safety standards up to ISO 45001 to ensure the health and safety of the people, equipment, and environment."

## Training

He adds, "Our customers are expected to not only maintain the equipment but also maintain its documentation. Therefore, our engineers check the maintenance documentation periodically and cross-check it with the equipment at work."

"We also conduct training camps every month for our customers and engineers. We ongoingly train our service engineers and technicians to impact effective maintenance of each piece of equipment. We are ISO 9001:2015 certified by TUV."

**in KYB Conmat Pvt Ltd**

With 70 manufacturing locations in 34 countries and a diligent team of over 12,500 professionals. We have set up state-of-the-art R&D and manufacturing facilities in Vadodara, Gujarat, which is spread across 5,00,000 sq. ft. to produce technologically advanced yet economically viable equipment.



It comes with a range of attachment options based on application, & the grabber capacity can go up to 5cbm. The maximum loading and unloading that it can do is 520 tonnes per hour, i.e. it can load 13 numbers of 40T Trucks within an hour.

@SanyIndia



**@AtlasCopcoIndia**

Compressor automation is the next big thing. Compressor automation is at the top of the list of technologies that can lower operating costs, and save precious time.

Read more here - <http://atlasco.co/Adslx>



**Schwing Stetter India**

#Dhaka BD today witnessed the inauguration of the first metro rail in the country by PM Sheikh Hasina. This Big project of #Bangladesh with the concrete requirement of 5 lakh cu.m was executed by our customer M/s Italian-Thai Development Public Company Limited. Unlocking possibilities worldwide with total concrete solutions from #SCHWINGStetter!



**@Deepak\_Shetty09**

It was an honour to host Shri @amitabhk87 at the JCB India HQ for the unveiling of our 6000<sup>th</sup> 'Made in India' in Access Machine: exported to 65 + countries. Tremendously motivating for the young JCB team to interact on the future of manufacturing, IOT in India.



As a step toward achieving net zero carbon emissions, we launched our diversified range of Hydrogen Technology and power solutions at Auto Expo 2023.

@cumminsindiaofficial



**@VolvoCEGlobal**

#VolvoCE received the environmental award for construction equipment manufacturers from the French Rental Company, Kiloutou. The award recognizes @VolvoGroup for a strong climate strategy and clear and ambitious targets that are clearly aligned with @kiloutou values and objectives.



H2, or Hydrogen fuel provides high energy density that increases range and also offers 2 times faster charging, paving the way for #MovingIndia towards a smarter, safer, and greener tomorrow. Watch out for more alternative full forms of futuristic fuels and visit #TataMotors at Hall No. 14 at the @aemotorshow to learn more about sustainable commercial mobility solutions. #AutoExpo2023

@tatamotorstrucks



10 FEB  
2023

NEW  
DELHI



PRESENTS

# MAKE IN STEEL

## Conference & Awards

### DECARBONISATION VERSUS GROWTH

#### INVITED SPEAKERS\*



**VIKAAS AHLUWALIA**  
Director,  
Ahluwalia Contractors



**AMIN NAYYAR**  
Director,  
ANA Design Studio



**TERRENCE BUSUTTIL**  
Director,  
ConstructSteel, World Steel  
Association (WorldSteel)



**PANKAJ SAXENA**  
Director (Project Planning),  
Dedicated Freight  
Corridor Corporation



**VB SOOD**  
CEO,  
IRDC



**RAJAMANI  
KRISHNAMURTI**  
President,  
ISSDA



**Dr. MUKESH  
KUMAR**  
Sr. Advisor,  
JSP Group



**ABHYUDAY JINDAL**  
Managing Director,  
Jindal Stainless



**BIMLENDRA JHA**  
Managing Director,  
JSPL



**PRAKASH GAUR**  
CEO of National Highways  
Logistics Management Limited



**PANKAJ GUPTA**  
Founder & CEO,  
ROARK Consultants



**VS CHAKRAVARTHY**  
Director (Commercial),  
SAIL



**RAJEEV SINGHAL**  
VP Marketing & Sales,  
TATA STEEL

\*Invited

#MIS2023

#### EXPECTED PARTICIPANTS

Tata Steel

JSW Steel

Jindal Steel  
& Power

Steel Authority  
of India

Arcelor Mittal  
& Nippon Steel

Odisha Mining  
Corporation

NMD

Jindal Stainless

Radha TMT

Electrotherm  
India Ltd

ARS Steels & Alloy  
International Pvt. Ltd.

SUPER SMELTERS  
LIMITED

PRIME GOLD  
SAIL JVC LIMITED

Electrosteel Steels  
Limited

TATA Tiscon

BMW Industries  
Limited

Captain Steel  
India Ltd

Vinayak Steels  
Limited

Jai Raj  
Ispat Ltd

Shyam Steel

#### FOR REGISTRATIONS & ENQUIRIES

Ketan: +91 8422874021  
Ketan.N@ASAPInfoGlobal.com

#### FOR SPONSORSHIPS

Neetu: +91 84228 74019  
Neetu.S@ASAPInfoGlobal.com



REGISTER NOW!

[www.MakInSteel.com](http://www.MakInSteel.com)

# KOMATSU



## PC300LC-8

### PARALLEL LINK CAB

Visit us & Explore  
where the action is!

**OUTDOOR STALL - H30**

**bauma CONEXPO INDIA**  
31st Jan-3rd Feb 2023

# CREATING NEW VALUES FOR SUSTAINABLE FUTURE

CS HANDLER



OPG



ROCK BREAKER



QUICK COUPLER



## Komatsu brings home smart solutions...

Creating value **together**

**Komatsu India Private Limited**

#30, Pride Quadra, 1st Floor, Bellary Road, Hebbal, Bangalore - 560 024

For more details, please contact us - INLYMB\_Marketing@global.komatsu