

L&T  **Earthmover** NEWS

Vol.36

Customer Newsletter

April 2023

**bauma CONEXPO INDIA**  
*Showcasing Smart Machines  
for a  
Greener World!*



# KOMATSU

 **LARSEN & TOUBRO**

## HIGH PERFORMANCE. HIGHER PRODUCTIVITY.

L&T presents a comprehensive range of high-performance and fuel-efficient Komatsu Construction Equipment - PC71(7Ton) | PC130(13T) | PC205-10M0(20T) | PC210-10M0(21T) | PC300-8(30T) | PC350-8(35T) | PC450 | PC500LC-10R(51T) Hydraulic Excavators, D85 Crawler Dozer and GD535-6 Motor Grader. Cutting-edge technology, intelligent hydraulics, powerful engine, strengthened structures and well-engineered attachments enable the machines deliver outstanding productivity. The latest KOMTRAX, the revolutionary tracking system, gives the users a distinctive edge in pushing efficiency by remote management.

L&T Construction & Mining Machinery with its nationwide network of dealerships and service centres, ensure best-in-class sales and after-sales support for Komatsu machines in India.



Conditions Apply



**Quality - Reliability - Durability**

### L&T Construction & Mining Machinery

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

Equip Care : 1800 833 9990

# CONTENTS

04  
*Engineering a Sustainable Future*



09  
*Revolutionizing Efficiency*



19  
*PC210-10M0 Breaks the Barrier*



22  
*A Milestone in Saving Environment*



06  
*CE Driving India's Growth*



16  
*Indigenous Machines, a Huge Draw*



20  
*Komatsu's PC500LC-10R*



23  
*A Mix of Entrepreneurship...*



07  
*Komatsu's Advanced Technology*



18  
*Genuine Parts, Maximum Efficiency*



21  
*A First, Again*



24  
*Komatsu PC500LC-10R Showcased at IMME 2022*

26  
*3000th Compactor Rolls Out*



27

# Engineering a Sustainable Future

- Komatsu and L&T exhibit a spectacular range of environment-friendly machines, showcasing their commitment to a greener tomorrow at Bauma CONEXPO India 2023.



*A view of the Komatsu and L&T Pavilion*

The Bauma CONEXPO India 2023 event was a witness to the display of technological expertise of Komatsu through their products by their wholly owned subsidiary Komatsu India Private Limited, and a formidable range of equipment by Larsen & Toubro Limited (L&T), India's largest engineering enterprise. Their showcase encompassed a substantial outdoor area replete with a meticulously constructed stall and an exhaustive display of 15 machines, Genuine Parts, and Special Attachments. The showcase served to reaffirm their unwavering commitment to a sustainable future and invaluable contribution to the nation's sustainability index.

Komatsu and L&T showcased their state-of-the-art technology and machinery, including the newly introduced PC205-10M0 and PC500LC-10R Hydraulic Excavators, the next-generation GD535-6 Motor Grader, and the

*Exhibiting at Bauma CONEXPO India 2023, Komatsu and L&T presented energy-efficient machines that have garnered widespread acclaim*



*Mr Nitin Gadkari, Honourable Minister for Road Transport and Highways, Govt of India inaugurating the Komatsu-L&T Pavilion in the presence of Mr Arvind K Garg, Senior Vice - President & Head, L&T Construction & Mining Machinery and Chairman, bauma CONEXPO India Task Force*

HB365LC-1 Hybrid Excavator, which is at least 18% more energy-efficient than conventional equipment, thus helping to mitigate carbon emissions. Other products on display included the PC210-10M0 Super Long Front, the PC205-10M0 Hydraulic Excavator (dubbed "the Earth Master"), and the PC300LC-8 Hydraulic Excavator fitted with Parallel Link Cabin and Orange Peel Grapple, ideally suited for scrap handling, an industry set to grow multifold with the advent of the new automobile scrapping policy. These latest generation models include Komatsu's cutting-edge technology and have been specially designed to endure harsh Indian applications and conditions. These new high-performance Hydraulic Excavators have piqued buyers' interest and garnered widespread acclaim for introducing highly productive machines.

All latest generation machines viz., PC205-10M0, PC210LC-10M0, PC500LC-10R & GD535-6 are B20- bio diesel compatible.

L&T recently commissioned Komatsu's 100 Ton off-highway trucks for a steel company in Odisha that plans to operate the machines using bio-diesel. These machines deliver similar power and productivity even when they operate on alternate energy, but save fossil fuels and reduce greenhouse gas emissions.

At Bauma CONEXPO, L&T showcased its fully indigenously developed and manufactured world-class road machinery, including the L&T 1190 Soil Compactor, L&T 990 Tandem Compactor, L&T 491 Mini Compactor, and L&T 2490

Pneumatic Tyred Roller (CE-IV compatible), which have gained widespread acceptance in the Indian market. L&T 9020 Wheel Loader and L&T S315R Skid Steer Loader deployed for material handling formed part of the impressive product display. L&T's environment-friendly Sand Plants and Crushing Solutions, manufactured at its Kansbahal Plant in Odisha, were showcased with tabletop models. These machines are truly the embodiment of the "Make in India" initiative under the visionary leadership of our Honourable Prime Minister's "Atmanirbhar Bharat" (self-reliant India).

The stall featured an audio-visual centre showcasing Komtrax, Komatsu's cutting-edge telematics for connected machines that monitor health and performance Komatsu Oil Wear Analysis Center for advanced oil analysis programs, and a Simulator that allows visitors to experience operating an excavator virtually. Komatsu Genuine Parts, comprising fast-moving filter kits to GET (ground-engaging tools), were also part of the display.

An Experience Centre highlighting the benefits of Genuine spares, lubricants and disadvantages of 'will fit' parts also formed part of the display. The stall showcased value-added special attachments from Komatsu, including Rock Breaker, Quick Coupler and Car Scrap Handler. L&T-manufactured special attachments that enhance the efficiency of the Komatsu range of excavators, like Crusher Bucket, Rock Splitter, Clamshell and Slope Compactors, formed part of the show.

*Komatsu and L&T's sustainable and biofuel-compatible machines provide equal power and productivity while reducing greenhouse gas emissions*

*Team L&T and Komatsu break into cheers at the end of a successful show*



# CE Driving India's Growth

- Unveiling the latest innovations and technologies in Construction Equipment (CE), bauma CONEXPO India 2023 sparked in-depth discussions on India's infrastructure potential



Mr Arvind K Garg, Chairman, bauma CONEXPO India Taskforce, and Senior Vice President and Head, L&T Construction & Mining Machinery, delivered the welcome address at bauma CONEXPO India 2023, the international trade fair for Building Material and Mining Machines and Construction Equipment, held from January 31 - February 03, 2023, at India Expo Centre, Greater Noida. The exhibition brought together over 600 exhibitors from 23 countries, showcasing a wide range of products and solutions with the latest innovations and cutting-edge technologies.

Extending a warm welcome to the Chief Guest, Shri Nitin Gadkari, Honourable Union Minister for Road Transport and Highways, Mr Garg acknowledged the Government's unwavering support to the industry, a critical driver of economic growth and job creation.

Mr Gadkari expressed his appreciation for the opportunity to be part of the event, which he sees as an important platform for showcasing the latest technologies and innovations in the Construction Equipment industry. He commended the industry for its contribution to the nation's growth and development and called upon the private sector to join hands with the government in its mission to transform India's infrastructure.

In his address, Mr Garg spoke about the Indian government's efforts to strengthen the nation's infrastructure and expressed his confidence in India's

potential to become a \$5 trillion economy within 2-3 years and a \$30 trillion economy by the time the nation celebrates its centenary. He talked about the government's significant investments under the National Infrastructure Pipeline and Bharatmala, as well as their focus on embracing contemporary technologies, safety, and carbon neutrality, which he saw as path-breaking initiatives driving the Construction Equipment industry to rediscover itself.

Mr Garg said that the Construction Equipment sector is already seeing increased adoption of digital technologies and connected machines, driven by the vision of Honourable Prime Minister Shri. Narendra Modi. He mentioned the industry's plans to introduce fuel-saving hybrid machines, machines operating on alternate fuels, and electrically operated construction equipment, among other innovations.

Regarding the government's ambitious plans to double the length of the national network by 2025, Mr Garg saw it as a significant driver for the industry's healthy year-on-year growth. In addition, he expressed confidence that the government's initiatives towards building a world-class surface transport network would "take the development of the nation to great heights."

The bauma CONEXPO India exhibition showcased 20 live product demos, 20 knowledge conferences, business-to-government sessions, and over

5,000 buyer-seller meets to address the need for skill development. Mr Garg stated that the event's success showcased the government's strong emphasis on infrastructure development and modernisation, which would accelerate the demand for construction equipment and help India emerge as the second-largest market for construction equipment globally by the end of this decade.

Mr Garg expressed his gratitude for the continued support of Mr Gadkari ji, which he sees as the driving force for the introduction of new technologies in the Construction Equipment industry. In his closing remarks, he emphasised that the government's continued focus on infrastructure development and modernisation would not only accelerate the demand for construction equipment but also help India emerge as the second-largest market globally by the end of this decade. ■

*Mr Nitin Gadkari, Union Minister for Road Transport and Highways, commends construction equipment industry's contribution to India's growth*

# Komatsu's Advanced Technology Steals the Show!

- Komatsu and L&T showcase their latest energy-efficient machines and commitment to sustainability at Bauma CONEXPO India 2023

*A view of the majestic machines on display*



Komatsu's product reliability and engineering prowess as the world's foremost manufacturer of Construction & Mining Equipment were brilliantly showcased at bauma CONEXPO India 2023, held in the precincts of India Exposition Centre, Greater Noida. Komatsu India Pvt. Ltd. was joined by L&T's Construction & Mining Machinery Business to showcase a fleet of energy-efficient machines and reaffirm their commitment to a sustainable future. Komatsu displayed eight machines covering a large outdoor area, Genuine Parts and Special Attachments.

Komatsu displayed its Hybrid Technology in India for the first time, reaffirming its commitment to adopting green and energy-efficient machines. This hybrid model is compact in design and features excellent reliability and durability. The

inverter, motor-generator, electric swing motor and engine are optimally controlled to suit the work situation, reducing fuel consumption. Further, Komatsu's engine delivers the outstanding performance required for 30-ton class excavators. These components are coordinated through Komatsu's total vehicle control technology to maximise the machine's full potential, resulting in a more powerful yet environment-friendly machines.

Another machine which attracted attention at the exhibition with its novelty features was the Komatsu's PC300LC-8 Hydraulic Excavator, fitted with Parallel Link Cabin and Orange Peel Grapple, ideally suited for handling metal scrap in vehicle scrapping yards. The adjustable height of the Parallel Link Cab allows the operator to

***Komatsu's latest hybrid excavator and other eco-friendly machines steal the show at Bauma CONEXPO India, reflecting the industry's shift towards sustainability***

choose the desired height for easy operation. With a maximum working radius of 14 m, the parallel link cab provides the operator with an unobstructed view of the scrap handling operation. Adjustable height of the parallel link cab ensures better and safe transportation. The grapple's highly contoured centre profile enhances penetration for a full load every time. The 360-degree rotation system and 5-tyre configuration efficiently and safely handle the shredded scrap and waste materials. The demand for this machine is expected to grow multifold with the new Vehicle Scrapping Policy to come into force shortly.

Komatsu has been closely working with L&T to develop an array of value-added products for India that save on energy and deliver higher productivity.

These include Komatsu's PC210-10M0 Super Long Front, PC210LC-10M0 'Truly Efficient' machine, PC205-10M0 'Earth Master' machine and the newly-introduced PC500LC-10R Hydraulic Excavator, developed for the mid-mining operations and the next-gen GD535-6 Motor Grader. These new models incorporate Komatsu's cutting-edge technology and have been designed to suit Indian applications and demanding work conditions.

These new high-performance Komatsu Hydraulic



***Komatsu and L&T have worked together to bring the latest generation of Construction Equipment offering unmatched performance and fuel efficiency***

Excavators have generated interest among buyers. PC205-10M0 'Earth Master' is suitable for continuous earthwork excavation and delivers unmatched fuel efficiency and is a cost effective solution in the segment. PC210LC-10M0 Super Long Front (with 15 m reach) finds applications for jobs requiring higher reach, power and speed.

Komatsu PC500LC-10R, the machine that is set to revolutionise the mid-mining segment, attracted its share of attention from customers at the event. This 50-ton class excavator incorporates design that enhances productivity through a larger bucket, increased force, and faster cycle time. With a powerful, reliable, and durable engine developed and produced by Komatsu, the PC500LC-10R offers best in

class fuel efficiency, productivity and performance, ensuring lowest cost per BCM (Bank Cubic Meter). This machine is set to be a game-changer in the mid-mining segment!

By drawing upon nearly a century of experience with construction equipment and technology, Komatsu has broken new ground in efficiency with the PC210LC-10M0, which was part of the display. This machine boasts up to 20% higher productivity and up to 20% lower fuel consumption than its predecessor. As a result, it has set a new benchmark for reliability in the 20-23 ton class in India. With its impressive fuel efficiency and unmatched productivity, the PC210LC-10M0 is not just efficient; it is "TRULY EFFICIENT"!

Komatsu PC71 and PC130 popular models exhibited there are actively promoted through dealers nationwide.

Komatsu Breakers, designed for Komatsu machines, and built with Japanese technology, offer reliable yet cost-effective rock-breaking solutions. Komatsu offers a wide range of Rock Breakers for machines ranging between 13 tonnes (PC130) and 45 tonnes (PC450). These Rock Breaker Attachments have been working to the satisfaction of customers across the country for years.

Komatsu is one of the few Construction Equipment manufacturers that design and manufacture components at their own manufacturing facilities and therefore provides Quality, Reliability and Productivity.

Orange Peel Grapple is easy to operate with its high-contoured center profile and further enhances penetration for a full load every time. Its 360° rotation system and 5-times configuration efficiently and safely handle shredded scrap and waste materials. ■



# Revolutionizing Efficiency

## ■ Komatsu, the world leader in construction and mining machinery, showcases cutting-edge technology at bauma CONEXPO India

Komatsu's vision has been to be the world's leading and most reliable supplier of Industrial, Mining & Construction Equipment and related Services with outstanding quality and innovative technology. With a century of experience in the segment, it has always been at the forefront of revolutionary technologies like alternate fuels, battery-operated hydraulic excavators, autonomous vehicles, and hybrid technologies.

### Efficiency and Sustainability in One Package

The hybrid powertrain system of the machine, consisting of a motor generator, inverter, capacitor, and electric swing motor-generator, significantly improves fuel efficiency and reduces emissions. The motor generator is positioned between the engine and the hydraulic pump for effective power transmission to the hydraulic pump.

The generator produces electric power and charges the capacitor, reducing fuel consumption and emissions. The motor generator converts power from the engine to electrical power to charge the capacitor as well as provides the electrical energy to the swing motor when necessary. The motor generator also assists the engine during acceleration by drawing back power from the capacitor.

The inverter and capacitor have high reliability with a dedicated cooling system. The capacitor can charge/discharge more quickly than a battery; unlike the battery, it doesn't require any chemical reactions that take time to generate, store or release electric current. The inverter and capacitor's charge/discharge speed is an advantage for matching the varying engine speed of construction equipment. Additionally, the inverter and capacitor have a long life and require no maintenance due to little degradation.

The electric swing motor recovers energy during swing braking and accelerates the swing of the upper structure more efficiently than traditional hydraulic motors, providing excellent swing performance. The electric swing motor/generator also plays a crucial role in reducing fuel consumption and emissions by capturing the energy that would otherwise be lost during swing braking and converting it into electrical energy that can be stored in the capacitor for later use. Furthermore, the electric swing motor/generator features dedicated lubrication and cooling systems, ensuring its reliability and durability in the long run.

### Energy Management and Revolving Frame

An energy management screen monitors the hybrid system's operation status, showing energy flows, capacitor



charging/discharging, and engine assistance by the generator/motor. A hybrid system temperature gauge is also displayed on the screen, allowing the operator to understand the severity of the load on the hybrid system at a glance.

Another remarkable feature of the Komatsu Hybrid Model HB365LC-1 is its reinforced revolving frame that protects the hybrid components from impact, ensuring the excavator's reliability and durability in harsh construction and mining environments.

In short, the Komatsu Hybrid Model HB365LC-1 is a testament to Komatsu's commitment to innovative and environmentally sustainable technology. Its advanced features and superior performance make it an ideal choice for various construction and mining applications.

In summary, the Komatsu Hybrid Model HB365LC-1 is a game-changing excavator that redefines efficiency and sustainability in construction and mining. Its innovative hybrid powertrain system, advanced hydraulic technology, energy management screen, and reinforced revolving frame make it a superior choice for various applications. It is no wonder it attracted so much attention at the recent bauma CONEXPO held in Greater Noida, with numerous customers enquiring about its features and capabilities. ■



Mr Vijay Mittal, Joint Secretary and Mr Vikas Dogra, Director, Ministry of Heavy Industries, Govt. of India, along with Mr Y. Fujii, Managing Director KIPL



Col. C Rajshekhar, Director- E4, Border Roads Organisation



Mr Chakresh Jain, Managing Director, PNC Infratech



Mr C K Singh and Mr Dharmendra Ahlawat, KCC Buildcon



Key handing over of Komatsu PC210LC-10M0 to Mr Piyush Shrivastava of Shree Stones



Mr Mandeep Bansal, TMAP Projects LLP



Mr Vineet Johari and Mr Ashwani Pahuja J P Associates



Symbolic handing over of L&T 9020 to Mr Paramjit Singh & Mr Gurinder Pal Singh, P S Construction



Mr Ravindra Bhutra, Sanwariya Carrier



Mr Mukesh Kumar Prajapati, HG Infra Engineering Ltd



Mr Sanjay Gupta, Adani Enterprises



Mr Arvind Singh, Shree Shyam Enterprises,  
Mr Surendra Sharma, M/s Rajkishor Sharma and  
Mr Kshatrapal Singh Yadav, Alankar Stone Crusher



Mr Om Prakash Agrawal, Agrawal Suppliers



Mr Vishnu Singh Shekhawat, Balaji & Sons



Mr Raman Totla, S.K. Totla Infra  
Construction Pvt Ltd



Mr Anup Sahni and team, AKS Constructions



*Mr Jagdish Kadam, Chairman and Managing Director  
Rajpath Infracon Pvt Ltd*



*Mr Milan S. Sindhav, Director, Velji P. & Sons*



*Mr Nihar Khaladkar, Khaladkar Construction Company*



*Mr Prashant Nair, SRBH Engineering*



*Mr Vivek Bijwe, Mr Khosla, Mr Ravi Agarwal,  
Mr Nilesh Deshmukh and Mr R P Wankhede,  
Akola Crusher Owners Association*



*Mr Harish Raval, Raval Earthmovers*



*Mr Rajesh Mishra, Mishra Construction*



*Mr Mihir Mishra, Afcons Infrastructure Ltd.*



Mr Jagdish Dholu, Director,  
Nilkanth Coal Mining Pvt Ltd



Mr Nitin Bansal, Director, NTC Ventures Pvt Ltd



Mr GVS Narayana Reddy,  
VPR Mining Infrastructure Pvt Ltd



Mr Suman Nair and Mr B Karthik Reddy,  
BGR Mining & Infra Ltd



Mr Sachin Gandhi and Mr Sameer Gandhi, Vision Infra



Mr P C Patel, Director, Jalaram Projects Pvt. Ltd.



Mr Chakradhar, Athyam Mining



Mr Phanindra Kamepalli,  
Kamepalli Granites & Exports



Mr V R Ramu, Chennai Radha Engineering Works



Mr Vipul Mishra, Kalinga Commercial Corporation Ltd



Mr Venkatesan and other delegates, Tamil Nadu Construction Equipment Owners Association



Mr Ravi Kumar, Sri Murugan Earth Movers



Mr Dishant Srivastava and Mr Deepanshu Srivastava, M/s Dilip Kumar Srivastava



Mr Rohan Ganapathy, VEE J Infratech Pvt Ltd and AJS Infratech Pvt Ltd



Mr J Gokulkrishnan, Aruljothi Infrastructure Pvt Ltd



Mr Vignesh Surya, Portcity Impex



*Mr Umang Prithani, Socristo Enterprise*



*Mr H R Godhara, M/s Heera Ram Godhara*



*Mr Tarun Mahanty, Big Build Infrastructure & Co with business associates Mr Paresh Mahanta, Mr Sajal Moulick and Mr Priyabrata Das*



*Mr Alok Tripathi, Aalok Infrazone*



*Mr Gaurav Harlalka, AGH Construction*



*Mr Sanjeev Gupta, SKGC Infra*



*Mr Vicky Bajaj, Narayani Sons India Pvt Ltd*



*Mr Anil Narnolia and Mr Aanis Narnolia, EQUIFI, Mr Shubham Mahapatra, SGM Nirman, Mr Akash Pujari, JRP Construction and Mr Renish Patel*

# Indigenous Machines, a Huge Draw

■ The Road Sector continues to be a major driver of infrastructure growth in India



*A display of indigenously manufactured LTCEL products at the exhibition*

L&T's sustained campaign to fulfil the ambitious mission of Atmanirbhar Bharat with its high-quality equipment designed inhouse and manufactured by LTCEL (L&T Construction Equipment Limited) for the Road Construction segment found a ready platform in Bauma CONEXPO India with display and demonstration of various products. The Road sector continues to be a major driver of Infrastructure growth with the revised target of 60 km per day for the highway segment.

The star attraction was the L&T 9020 Wheel Loader that has been strategically deployed by Border Roads Organization to strengthen border infrastructure and maintain high-altitude roads. The S315R Skid Steer Loader has been rapidly gaining ground in the market as a multi-utility equipment and has found new applications including debris removal for underground metro activities.

Continuing with the 'Made-in-India Made-with-Pride' motto, the winning series of Vibratory Compactors – L&T 1190, L&T 990HF and L&T 491 – with their design makeover and CEV-IV compliance have been fast expanding across India and growing consistently. Several contractors have deployed them in highway construction in

a big way. These indigenous products were a huge draw at the exhibition and attracted considerable customers from the hiring segment. With execution of the jobs gathering pace, the growth of the compaction market is bound to accelerate.

Savvy users have been enquiring of L&T DigiEye fitted on the machine which helps in gathering data on machine location and stepping up productivity. Soil and Tandem Compactors also have ICS (Intelligent Compaction Systems) with Compaction Meter displaying the degree of compaction achieved.

L&T has made a breakthrough in exporting these products to

African and SAARC nations and is actively scouting for new destinations. By bringing in more vendors into the supply chain, L&T has been highly successful in localising the production and giving credence to the Atmanirbhar Bharat movement.

L&T had also showcased its diverse capabilities in erecting and executing Sand Plants at customer sites. The Sand Plants are manufactured by L&T at its Kansbahal works. With the banning of river sand, m-sand has gained immense

***L&T Construction Equipment Limited has been highly successful in localising the production and giving a push to the Atmanirbhar Bharat movement***



momentum across the country. Several contractors have been investing in setting up Sand Plants to support mega realty and railway projects. L&T Sand Plants ensure that the customers get superior quality aggregates.

*Special attachments developed by L&T's Product Development Centre have found multiple applications in the Construction Industry*

Special attachments, designed by L&T's Product Development Centre and manufactured by LTCEL also featured in the L&T outdoor stall. L&T CB250 Crusher Bucket, L&T RS250 Rock Splitter, L&T CS125 Clamshell and L&T SL230 Slope Compactor have multiple applications in the Construction Industry.

*L&T Sand Plant Model on display in the L&T stall*



*L&T 9020sx Wheel Loader has become popular in material handling application*

CB250 has been well accepted by customers for the crushing application in hilly areas where installation of the stationary crusher is economically not viable. RS250 is a breakthrough product in the market known for its ability to convert primary breaking into secondary with multifold increase in productivity. SL230 finds application in road embankment and canal development. Clamshell is ideal for fitment on 20-ton excavators and has multiple applications. Reman engines built as per Komatsu Engineering Standards were also on display at the exhibition. ■

*An array of Special Attachments on display*



## Genuine Parts, Maximum Efficiency

- At Bauma CONEXPO India 2023, Komatsu and L&T showcased their commitment to quality and performance through a display of genuine parts for construction equipment

As the adage goes, "Lookalikes don't work alike!" This is especially true when it comes to heavy machinery. Using genuine parts is crucial for enhancing component life, minimising downtime, improving productivity, and reducing lifecycle costs.

Recently, at bauma CONEXPO India 2023, Komatsu and L&T showcased an impressive array of parts and lubes, with their engineers educating customers on the benefits of using genuine spares. The display included a wide range of genuine parts for equipment, from Hydraulic Excavators and Dozers to Motor Graders and Wheel Loaders, covering different categories of parts, including filters, undercarriage, ground engaging tools, engine repair kits, and genuine lubricants.

L&T Construction & Mining Machinery (L&T CMB) demonstrated its commitment to the Construction and Mining industry. It bolstered its commitment to nation-building by raising customers' awareness of the advantages of using genuine parts.

L&T engineers presented various tools to demonstrate and educate customers on the advantages of using genuine parts. For example, cut sections of genuine and imitation filters highlighted the differences in filter media, filtration area, and filter construction quality. Cut sections of genuine hoses showcased the differences in the quality of hose material and construction. Cut sections of undercarriage parts revealed differences in design advantage and improved metallurgical properties (depth of hardness), which leads to extended life.

Komatsu and L&T stall exhibited an array of heavy-duty Genuine parts suitable for demanding applications in quarries, granite and marble mining, and other rugged environments. For example, heavy-duty undercarriage compatible with Hydraulic Excavators PC300 and PC350 for granite and marble applications were showcased, in addition to Abrasive and Impact Resistant Bushing (AIR) undercarriage designed for D85 Dozers and Heavy-Duty Sprockets suitable for PC210 in Quarry applications. Application based variants for ground engaging tools like Dura and Dura RC (Rock Chisel) Tooth points were also displayed.

The stall featured Recon components, including engines, hydraulic pumps, and control valves. Recon components are



built as per the Komatsu Engineering Standards and minimise machine downtime. L&T takes utmost care in rebuilding Recon components using genuine parts at its state-of-the-art workshops spread across the country

The Komatsu and L&T stall also featured exclusive audio-visual rooms with a Simulator, KOWA (Komatsu Oil Wear Analysis) lab experience, and Komtrax. L&T believes that "In Service Lies Success," and their efforts have always been directed towards demonstrating the best in after-sales to ensure customers' peace of mind.

In addition, a Life Support Program (LSP) for the rebuild of major components of equipment utilising Komatsu certified workshop with genuine parts, OEM-approved process and skilled workmanship was launched at the event. This programme is aimed at helping customers keep their equipment in good working condition, extend its lifespan and reduce downtime. By choosing this programme, they can get the highest quality components rebuilt with a comprehensive warranty for three years or 6,000 hours or a specific period, depending on the model.

In conclusion, the use of genuine parts is not only important but also a wise investment. The display at bauma CONEXPO India 2023 demonstrated that Komatsu and L&T are dedicated to providing customers with the best possible products and after-sales services for the benefit of the construction and mining industries in the years to come. ■

*Enhance productivity with genuine parts. Komatsu and L&T's display at bauma CONEXPO India 2023 showcased genuine parts*

# PC210-10M0 Breaks the Barrier

- Eighteen PC210-10M0 Hydraulic Excavators have crossed 14,000 hours of operations in less than three years, the shortest in the 20-ton class. This Truly Efficient machine is the fastest selling in its category, with 3,000 machines already sold within a record 30 months

Komatsu and L&T launched the NextGen Truly Efficient Hydraulic Excavator PC210LC-10M0 at Excon in December 2019, a machine that has changed the Construction Equipment landscape in India by combining higher productivity, fuel efficiency and Komatsu's Hallmark durability.

Komatsu has pushed the boundaries of efficiency by leveraging a century of experience in designing and manufacturing Construction and Mining Equipment to build the latest generation machine, Komatsu PC210LC-10M0. It incorporates a host of features and improvements to deliver 20 per cent higher productivity at 20 per cent lower fuel consumption than the previous model.

The PC210-10M0 is fitted with a new engine that incorporates improved and optimised design parameters to minimise peripheral power loss to deliver the maximum net horsepower (hp) output in line with the gross hp developed, ensuring every litre burnt by the engine is available for productive work by the machines.

The PC210-10M0, with a heavy-duty structure, reinforced undercarriage, and built with parts manufactured by Komatsu, has redefined the reliability standards in the 21-ton class Hydraulic Excavator segment. It is designed to deliver Quality, Reliability and Durability.

On the performance front, three of these machines have already crossed 16,000 hours of operation, and 18 more have clocked operation time between 13,000 hours and 15,000 hours across applications and locations within 30 months of their commissioning, setting new benchmarks in the segment. These hydraulic excavators have been deployed across applications at rugged sites like stone quarries, granite and blue metal mining, irrigation, road construction, material handling and special projects. They have achieved these hours of operation faster than any other 20-tonne models in the past, showing that they are "Truly Efficient".

Advanced engine design incorporating viscous fan clutch technology and optimised fuel injection control lowers hydraulic pressure loss by optimising oil flow and improving engine-pump synchronisation. This, in turn, reduces power loss by the engine and optimises the hydraulic system. It also



PC210LC-10M0s are not just fuel-efficient. They are "TRULY EFFICIENT"!

minimises power loss through heat generated by the engine and improves system efficiency, making it one of the most energy-efficient hydraulic excavators in its category.

Komatsu's latest generation of telematics, Komtrax, continuously monitors machine health and performance to provide insights into the load handled and recommends the optimum mode of operation for saving energy. This ensures that the customer is aware of the best mode of operation for any application and that the machine operator can improve productivity and fuel consumption. In addition, a large LCD

monitor equipped with ECO-Gauge constantly provides efficiency feedback to the operator while operating the machine. Komtrax also alerts the operator on long idling and recommends switching to eco-modes based on the usage and load condition.

Almost 50% of the machines sold over the last three 30 months have been procured by competition customers or owners of Komatsu machines, reinforcing that the machine has consistently outperformed competition machines.

PC210LC-10M0 is not just fuel-efficient. It is "TRULY EFFICIENT"! ■

*The PC210LC-10M0 incorporates a host of features and improvements to deliver 20 per cent higher productivity at 20 per cent lower fuel consumption than the previous model*

# Komatsu's PC500LC-10R Hydraulic Excavator for Mid-Mining

- The Indian economy's exponential growth demands rapid increase in coal, minerals and metal production in response, industry giants Komatsu and L&T introduce the revolutionary PC500LC-10R excavator

India's rapid economic growth has spurred a corresponding demand for coal, minerals and metal production. This demand necessitates doubling of mineral and metal production over the next six years. To meet this demand, there is a need for bigger, better, faster, and fuel-efficient technologies with higher productivity. Enter Komatsu and L&T, with a combined experience of over 175 years. They have introduced the latest, truly efficient machine in the mid-mining segment, the PC500LC-10R hydraulic excavator.

## The Power of Efficiency

Komatsu's PC500LC-10R hydraulic excavator is a game-changer in the industry. This excavator, in the 50-ton class, has been redesigned for higher productivity with a bigger bucket, higher force, and faster cycle time while ensuring best-in-class fuel efficiency. The PC500LC-10R is powered by a powerful, reliable, and durable engine designed and manufactured by Komatsu. It provides increased power with unmatched efficiency, reducing power losses and delivering superior performance.

## HydrauMind Technology

Hydraulics engineered by Komatsu is a perfect match for the engine. The combo delivers the right force every time, and at the core is HydrauMind, a proven positive load-sensing system. The PC500LC-10R is a strong machine built to last a lifetime, with an overall reinforced structure, heavy-duty undercarriage, and upsized work equipment with a high-strength structure that handles large buckets and heavy loads with considerable ease.

## Fuel Efficiency and Sustainability

Fuel efficiency is even better despite the size upgrade, thanks to advanced fuel-saving technology, lowering operating costs while increasing productivity. The excavator's swing circle is rugged and reliable, and sustainability and environmental consciousness are at the core of Komatsu's design philosophy. Safety features include an engine shutdown secondary switch, seat belt caution indicator, travel alarm, cabin mesh guard, cabin top guard, and powerful LED lights for all-around illumination.

## Data Insights with Komtrax

The excavator comes equipped with the latest generation Komtrax, which gives you access to insightful data on your equipment and fleet. It provides operation records, eco-guidance data, and the power to make informed decisions, drawing an optimum strategy to run your business efficiently.

## Enduring Legacy

With the PC500LC-10R, increased production of 60 extra trucks a day, 1500 trucks a month, or a mountain in a year is possible. It ensures the lowest cost per cubic meter with increased fuel savings of 50 litres a day, 1,250 litres a month, and a whopping 15,000 litres a year. The PC500LC-10R carries on the legacy of Komatsu's QUALITY, RELIABILITY, and DURABILITY, amplified with a powerful and efficient engine, stronger structures, superior digging performance, and lower fuel consumption, contributing to higher production. Experience the PC500LC-10R now and feel

*With a redesigned structure, advanced fuel-saving technology, and superior digging performance, the PC500LC-10R promises lowest cost per BCM while ensuring environmental consciousness*

the strength, power, and efficiency every time. It brings you the best return on your investment. For more information visit [Lntcmb.com](http://Lntcmb.com). ■



# A First, Again

- This portable machine produces concrete and plaster sand from clay and ultra-fines with an environment-friendly input – air



*The first Wheel-Mounted Mobile Dry Sand Air Classifier Plant at a project site near Pune*

Imagine a 65-ton machine, generally set up many kilometres away from project sites, ordinarily requiring a minimum installation time of 30 days and rarely dismantled, now being set up at a project site in less than a week and moved out after the project is complete in seven days.

L&T's Kansbahal Works has achieved just that.

In continuation with its endeavour to produce high-quality sand-making plants, Kansbahal Works has enhanced its portfolio by successfully developing and launching India's first Wheel-Mounted Mobile Dry Sand Air Classifier Plant. M-SAC, in short.

This portable machine produces concrete and plaster sand (As per IS 383 Standard) from clay and ultra-fines (Basalt, Granite or Limestone grains with sizes ranging between 0 and 4.75 mm) with an environment-friendly input – air. It saves water, the popular input for such types of machines available in the market. Advantages of M-SAC include precise control of ultra-fines, lower maintenance cost, minimum downtime and higher productivity.

The first M-SAC (model mSAC1600) was successfully developed for Samiksha Enterprise and launched at its project site near Pune. This is a testament to L&T's engineering and application acumen and deep insights into its Sand Plant collaborator, KEMCO of Japan. It has also been a wish of L&T's CEO & MD,

Mr S. N. Subrahmanyam, to make the existing skid-mounted sand plants mobile and easily transportable across various highways, railway lines and construction project sites. The primary reason for designing the M-SAC was to make the machine more modular with fewer structures.

The immobile version of the machine requires road contractors and quarry owners to install crushers every 40-50 KM for economic sustainability to remobilise all other equipment; a mobile solution was the need of the hour. The highlight of the mSAC1600 Plant is its smooth and fast installation at project sites.

Mr Rajendra Garudkar, the owner of Samiksha Enterprise, is a happy man today. He is satisfied with the product quality of the L&T mSAC1600's plaster sand

maker because he now sells manufactured sand in large quantities daily to various customers in the Pune-Talegaon region.

In this fast-growing road and railways construction segment, which requires high-mobility aggregate and sand-making systems, the mSAC1600 Mobile Air Classifier is an excellent solution to produce good-quality classified sand. The future business prospects look bright for this product, where the customer segment demands more compact, mobile, and economical solutions. ■

***The first M-SAC (model mSAC1600) was successfully developed for Samiksha Enterprise and launched at its project site near Pune.***

## A Milestone in Saving Environment

- Kansbahal Works successfully commissions the 50th Sand Plant. These are environment-friendly systems that avoid sand mining and use air instead of water

Kansbahal Works has achieved the landmark milestone of successfully manufacturing and commissioning L&T's 50th Sand Plant, a model e7-60 Advanced Sand Plant, at SKGC Infra's site near Mumbai.

The L&T's e7 Sand Plant is a highly versatile system and offers a sustainable alternative to river sand by manufacturing high-quality, eco-friendly 'Engineered Sand'.

L&T's range of dry sand-making plants includes Superior Air Classifier SAC Series to produce concrete sand with precision-controlled ultra-fines. It also offers single and multi-deck Air Screen eSEPA series for plaster sand (P-sand) manufacturing, concrete sand (M-sand), and dry-mix mortar application.

It is the world's most advanced e7 series of sand manufacturing plants, which can produce any fully customised concrete or plaster sand, depending on customer requirements.

All these plants are fully automated with PLC touchscreen controls, with an optional provision of complete digitalisation, including remote operation, monitoring,



*L&T's 50th e7-60 Advanced Sand Plant at SKGC Infra's site near Mumbai*

troubleshooting, and production data logging and analysis.

L&T's Sand Plants have proven to be the best sand-making equipment with the lowest cost of operation, contributing to sustainable, green, eco-friendly engineered sand production without wasting our most valuable natural resource, water, compared to conventional M sand production processes that areas polluting.

The sand plants are free of dust emissions and only mix the minimum amount of moisture to the sand product and waste dust to prevent air pollution. As a result, the sand produced by these plants serves as the best alternative to river sand, helping protect precious water bodies.

## Celebrating 10,000 tests at KOWA Centre

Komatsu Oil Wear Analysis (KOWA) Centre, set up by KIPL in Nagpur, celebrated 10,000th sample tests as it crossed one year of operations. To mark the occasion, an event was held at KIPL-Bangalore. Mr Y. Fujii, MD, KIPL and Mr Arvind K Garg, Senior Vice President & Head, L&T, cut a celebration cake specially designed, befitting the occasion

KOWA monitors the health of machines by analysing oil, fuel, grease and coolant samples. It enables preventive and timely maintenance, thereby increasing the uptime of machines by preventing breakdowns.

Speaking on the occasion Mr Garg highlighted of the importance of pro-active service to take care of customers' fleets.

Mr Fujii expressed his happiness with the success of the KOWA Centre and the Dantotsu service that KIPL is aiming to achieve.



# A Mix of Entrepreneurship and Philanthropy

- Mr Harpreet Sahni's journey from humble beginnings to becoming one of the largest L&T construction equipment rental firms in North India



*Mr Sahni with team L&T during his visit to LTCEL's manufacturing facility*

With a dynamic spirit and unwavering dedication to success, Mr Harpreet Sahni's journey from humble beginnings to becoming one of the largest L&T construction equipment rental firms in North India is a mix of entrepreneurship and philanthropy.

In 2016, he consolidated the operations and began expanding his company by increasing the fleet size to 20 L&T equipment primarily hired for road building. His fleet size now boasts more than 100 machines, including the highest number of L&T 9020 in the rental segment pan-India.

Since 2021, Mr Sahni has taken delivery of the first L&T Wheel Loader every new year, pan-India and his fleet now comprises 10 Wheel Loaders, three Soil Compactors, four Tandem Compactors and two Skid Steer Loaders.

His dedication to quality and customer satisfaction has enabled his firm, Rapid Infra Equipments, to become one of the most sought-after rental firms for L&T construction equipment in North India. His customer base includes L&T Construction and other big infrastructure companies. Mr Sahni is proactive in supporting his customers with higher equipment availability, trouble-free performance and personal intervention in maintenance and equipment service.

As Mr Sahni puts it, "L&T machines have also given me the best of experience. They have been an essential factor in the success of my business." His story is a true inspiration to entrepreneurs and community leaders alike. He is highly active in the rental equipment forum, follows the trends in the industry closely and has developed social media groups.

Beyond his business, Mr Sahni is deeply committed to social welfare. Every night, he actively participates in Langar (community kitchen) at a Delhi Gurudwara, making sure that the less fortunate members of society are well-fed and cared for. His philanthropic efforts demonstrate his character and commitment to positively impacting the world.

Mr Harpreet Sahni's story is an inspiring tale of an entrepreneur who has built a successful business while remaining committed to helping others. His dedication to excellence in business and social welfare sets an example for aspiring entrepreneurs and community leaders. ■

*Mr Sahni receives a symbolic key from L&T's senior management*



# Komatsu PC500LC-10R Showcased at IMME 2022

- The newly introduced hydraulic excavator is an ideal solution for the mid-mining industry, and the L&T stall witnessed footfalls of more than 600, including CMDs of PSUs, top officials of private mining companies, MDOs and contractors



*A view of our stall was showcased at IMME 2022*

Komatsu and L&T participated in the International Mining & Machinery Exhibition (IMME 2022) held in Kolkata with display of the Komatsu PC500 Hydraulic Excavator in the outdoor area from November 16-19, 2022.

The newly introduced PC500 machine is an ideal solution for the mid-mining industry. L&T also displayed tabletop models of the indigenously manufactured Surface Miners, which are environment-friendly machines. A reman engine and a large-sized bucket of 3.7 cubic meters were displayed as well.

Mr Vivek Bharadwaj, Secretary, Ministry of Mines, Govt of India, was one of the important visitors to our stall. Among others were Mr Pramod Agrawal, Chairman, Coal India Limited, Mr Sumit Deb, CMD, NMDC, Dr PS Mishra, CMD, SECL and several other senior members of public sector undertakings.

The stall witnessed footfall of more than 600, including executives from Institutional Mining Companies like Tata Steel, JSW Steel, Shree Cement, Birla Corporation, Hindalco, Kalburgi Cement and Emami Cement.

Key Mine Developer and Operators (MDO) and Contractors like Essel Mining, DECO, Kalinga Commercial, Minsol Ltd, Thriveni, Monte Carlo, SUPL, Ambey Mining, Durga Infra,

and GRN Construction also visited the stall.

Many of our construction equipment customers, financiers, consultants and vendor partners like Cummins, Graco, Electro Technica, Minelife, and Southern Electronics interacted with L&T executives at the stall.

Global Mining Summit 2022 was organised concurrently with the exhibition. Mr Arvind K Garg, Senior Vice President & Head, L&T CMB, addressed the summit on the role of minerals in shaping a sustainable future. He said India had tremendous potential in scaling up the activities given its proven deposits in coal, iron ore, and limestone and deployment of high-quality mining equipment with higher efficiency and a trained workforce. Mr Partha Mookherjee, Head-MEB, L&T CMB, was one of the speakers at the Plenary Session on Technology & Automation: How India can lead the way. ■

*Mr Arvind K Garg, Senior Vice President & Head, L&T CMB, spoke on the role of minerals in shaping a sustainable future at the Global Mining Summit 2022*



*Mr Arvind K Garg, Senior Vice President & Head, L&T CMB with Mr Pramod Agarwal, Chairman, Coal India, at IMME 2022*





Tata Steel's leadership discovers innovative technology at L&T's stall



Mr Vivek Bharadwaj, Secretary, Ministry of Mines, Gov, at the stall



DECO & Kalinga Commercial explore sustainable tech



UltraTech's top brass uncovers green tech and machinery at L&T's exhibit



JSW Steel's executives find new machinery and sustainable tech at L&T's display



Shree Cement's leadership team discovers eco-friendly tech at IMME



Essel Mining's top brass learn about sustainable machinery at L&T's showcase



Adani Cement's executives explore eco-friendly tech at L&T's Stall

# 3000th Compactor Rolls Out

■ The rollout reinforces LTCEL's leadership in manufacturing indigenously designed equipment



Mr N K Singh, Managing Partner, Anmol Associates, receiving the symbolic key of the 3,000th Compactor, a Pneumatic Tyred Roller model L&T 2490, from Mr Arvind K Garg, Senior Vice President & Head, L&T CMB

What is common to the runways at airports in Kerala's Kannur, Bangalore and Delhi or the border road at Jaisalmer is that the smooth finish of bitumen course on these were achieved by the L&T 2490 HD, Pneumatic Tyred Rollers (PTRs), built by L&T.

Compactors are machines that compact soil, gravel, concrete or asphalt for making roads, embankments for the Roads, or foundations for large structures. PTRs are compactors that make Roads smooth by sealing the surface. This prevents water percolation into the road surface and improves its life.

L&T has recently achieved a key milestone by delivering the 3000th compactor, an L&T 2490 PTR. At an event held at L&T Construction Equipment Limited's (LTCEL) Doddaballapur Plant on Nov 28, the symbolic key of the L&T

2490 Pneumatic Tyred Roller was handed over to the customer, Mr Neelesh Kumar Singh, Managing Partner, Anmol Associates, by Mr Arvind K Garg, Senior Vice President & Head, L&T Construction & Mining Machinery.

Anmol Associates is a Lucknow-based firm specialising in road construction. The firm has a large fleet of equipment, including 14 L&T Compactors. Mr Singh has executed prestigious projects for NHAI, UP-PWD, UP-Irrigation Department and MoRTH. One of his notable projects has been beautifying Prayagraj city during the Kumbh Mela.

LTCEL started making compactors in 2016. These have fast penetrated the Indian market and are the preferred choice of customers, given their excellent quality and reliability, enabling L&T to reach the milestone of supplying the 3000th compactor in just a few years.

The portfolio of compactors currently includes PTRs, Soil Compactors, Tandem Compactors and Mini Tandem Compactors. These are designed by the L&T Product Development Centre and manufactured by LTCEL, a 100% subsidiary of L&T. These compactors have substantial indigenous content and are truly Make in India machines.

The rollout of this 3000th machine reinforces LTCEL's leadership in manufacturing indigenously-designed equipment. It paves the way for fulfilment of the Atmanirbhar Bharat mission launched by the Government of India. L&T has been successfully exporting these Compactors to SAARC and African countries.

*These have fast penetrated the Indian market and are the preferred choice of customers, given their excellent quality and reliability*

Among those who participated in the event included Mr H Shridhar Hande, Chief Executive, LTCEL; Mr K Keshava, GM-Machinery Works, LTCEL; Mr Shailesh Kodkani, GM-Hydraulics Works, LTCEL and Mr Jaikumar Kamath, Head-Road Machinery Business. Mr Vijayendra Bhat of Anugraha Construction Equipment (Karnataka Dealer) also attended the event. ■



L&T 491 Mini Tandem Compactor



L&T 990HF i Tandem Compactor – CEV-IV



L&T 1190 Soil Compactor – CEV-IV



L&T 2490 HD Pneumatic Tyred Roller – CEV-IV

## SAFETY COMES FIRST

**Q1 Safety always comes first! Can you name the three fundamental steps of the safety management process?**

- a. Scheduling, executing and following up | b. Planning, implementation, and evaluation
- c. Hiring, training, and managing | d. Assessing, investigating, and reporting

**Q2. Protecting lives and preventing accidents: When does India celebrate National Safety Day?**

- a. March 4 | b. August 5 | c. October 7 | d. December 17

**Q3. Workplace safety is crucial! Do you know the top three types of hazards that employees may encounter?**

- a. Chemical, electrical, and ergonomic | b. Physical, emotional, and social
- c. Biological, environmental, and social | d. Mechanical, electrical, and chemical

**Q4. A safety program can mitigate potential risks. Can you identify the primary objective of implementing a safety program in your workplace?**

- a. To improve productivity | b. To reduce accidents and injuries | c. To increase profits
- d. To save money on insurance costs

**Q5. Have you ever wondered what the Material Safety Data Sheet (MSDS) is for?**

- a. To identify the hazards of a chemical substance | b. To provide instructions for using a piece of equipment
- c. To report a workplace accident | d. To request a safety inspection

**Q6. What is the purpose of PPE, and why is it essential for the workforce?**

- a. To protect workers from physical violence in the workplace | b. To reduce the risk of slip, trip, and fall accidents
- c. To protect workers from exposure to hazardous materials or equipment | d. To improve productivity

**Q7. Effective communication is key to a safe workplace! But, do you know the primary objective of a hazard and safety communication program?**

- a. To prevent workplace accidents | b. To identify the hazards of a chemical substance
- c. To report a workplace accident | d. To request a safety inspection

**Q8. How is the Globally Harmonized System (GHS) used in workplaces?**

- a. To promote worker productivity | b. To identify the hazards of a chemical substance
- c. To prevent workplace violence | d. To improve employee morale

**Q9. What's the objective of an Emergency Action Plan (EAP) in the workplace?**

- a. To prevent workplace accidents | b. To train employees on how to do their jobs
- c. To provide instructions on what to do in an emergency | d. To conduct workplace inspections

**Q10. What's the purpose of lockout/tagout procedures in workplaces?**

- a. To prevent unauthorised access to a work area
- b. To control hazardous energy sources during maintenance or repair
- c. To protect workers from physical violence in the workplace
- d. To reduce the risk of slip, trip, and fall accidents.

Answers : 1 b, 2 a, 3 d, 4 b, 5 a, 6 c, 7 a, 8 b, 9 c, 10 b

**PROVEN  
PERFORMERS** 

Sturdy Machines for  
Road Construction

**L&T 990HF *i***  
TANDEM COMPACTOR

*i* improved



**Operating Weight : 9,200 kg | Frequency : 60 / 42 Hz | Gross Power : 74.8 HP @ 2200 rpm**

Presenting Perfect Partners! An exclusive range of Road Construction Equipment that are reliable, durable and gives you more value. Highly suitable for highways, expressways and road projects. Manufactured to perfection and to provide the customers with superb productivity and unmatched benefits, these machines incorporate world-class features and are backed by nation-wide network of L&T Dealers who provide after-sales service and genuine parts.

**RUGGED  
RELIABLE  
UNBEATABLE**

MADE IN **india** MADE WITH **PRIDE**

Conditions Apply

### L&T Construction & Mining Machinery

Larsen & Toubro Limited  
Lakshminarayan Complex, First Floor  
10/1, Palace Road, Bengaluru - 560 052  
Tel : 080 4040 1700  
E-mail: CMB@larsentoubro.com www.lntcmb.com **Equip Care : 1800 833 9990**



Visit our website  
[www.lntcmb.com](http://www.lntcmb.com)

Regd. Office: L&T House, N. M. Marg, Ballard Estate, Mumbai – 400 001 CIN: L99999MH1946PLC004768