



HQ/CS/CL.24B/16385  
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Sir,

**Sub: Press Release - Tata Communications lights the way for Jamshedpur Utilities and Services Company (JUSCO) with India's largest deployment of smart streetlights.**

Please find attached herewith the press release on the captioned subject being issued today.

Thanking you,

Yours faithfully,  
For Tata Communications Limited

P.P. *Manish Sansi*

Manish Sansi  
Company Secretary &  
General Counsel (India)

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### Tata Communications lights the way for Jamshedpur Utilities and Services Company (JUSCO) with India's largest deployment of smart streetlights

*Tata Communications partners with MOTWANE to deploy 300 smart streetlights using its public IoT network based on LoRaWAN™ technology - the world's largest IoT network*

Mumbai, India - March 14<sup>th</sup> 2018 - [Tata Communications](#), a leading digital infrastructure provider, and [MOTWANE](#), a technology based electronic and IoT company manufacturing electronic test and measurement equipment with in-house R&D capabilities, have successfully completed India's largest deployment of smart streetlights for [Jamshedpur Utilities and Services Co. Ltd. \(JUSCO\)](#), India's only comprehensive urban infrastructure service provider. The new streetlights are underpinned by Tata Communications' public Internet of Things (IoT) network based on LoRaWAN™ technology in India, which is the largest of its kind in the world.

With 300 lights, JUSCO's project in Jamshedpur is the biggest smart street lighting deployment of its kind in India. It will pave the way for a total of 15,000 lights to be installed in the city in the next 5 years.

The smart street lighting market in India is estimated to grow at a [CAGR of 42.2%](#) during the period of 2016-2022. One of the key reasons for this growth is the government's mission to reduce the country's carbon footprint. This includes replacing traditional high-intensity discharge lamps (HID), which consume a lot of energy and generate a lot of heat, with more energy-efficient smart street lights.

Tata Communications partnered with MOTWANE, to successfully deliver an end-to-end solution of smart streetlights for JUSCO. This encompasses the device to application, and network to platform services. The system enables smart features such as switching the lights on/off or dimming them remotely from the central command centre. The lights can be adjusted in clusters depending on need in each location, which helps reduce manpower costs and energy consumption further.

"We need a smart street lighting system that will help us save energy, reduce maintenance costs, get real time reports, full controllability over the light intensity and reduce CO<sub>2</sub> emissions," said **Ashish Mathur, Managing Director, JUSCO**. "IoT is probably the biggest game-changer we are experiencing in urban planning and management. Tata Communications' IoT based smart streetlights solution meets all our needs. Not only does it help us reduce our carbon footprint, but it also sets significant cost savings of around INR 700 per light, per year, because of its extremely low power consumption."

"This smart streetlight project is a great example of the real-world benefits that the IoT can deliver for cities and the environment," said **VS Shridhar, Senior Vice President and Head for Internet of Things, Tata Communications**. "We look forward to working with JUSCO and similar forward-looking organisations to bring together millions of connected devices and applications, and create an India-wide mesh of smart buildings, campuses, utility sites, fleet management systems, security and healthcare services - all powered by our public IoT network based on LoRaWAN™ technology."



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Tata Communications is building the foundation for IoT in India with the world's largest IoT network based on LoRaWAN™ technology, spanning nearly 2,000 communities and touching over 400 million people in total. In 2017, we have already rolled out IoT network in 38 cities with many more cities planned for implementation over the next two years.

Ends...

### About Tata Communications

Tata Communications Limited (CIN no: L64200MH1986PLC039266) along with its subsidiaries (Tata Communications) is a leading global provider of A New World of Communications™. With a leadership position in emerging markets, Tata Communications leverages its advanced solutions capabilities and domain expertise across its global network to deliver managed solutions to multi-national enterprises and communications service providers.

The Tata Communications global network includes one of the most advanced and largest submarine cable networks and a Tier-1 IP network with connectivity to more than 240 countries and territories across 400 PoPs, as well as nearly 1 million square feet of data centre and colocation space worldwide.

Tata Communications' depth and breadth of reach in emerging markets includes leadership in Indian enterprise data services and leadership in global international voice communications. Tata Communications Limited is listed on the Bombay Stock Exchange and the National Stock Exchange of India.

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

### About JUSCO

In a first of a kind initiative in India, the Jamshedpur Utilities and Services Company Limited (JUSCO) was carved out of Tata Steel from its Town Services Division in 2004. In JUSCO, the steel major reposed ten decades of experience and expertise. The mandate for JUSCO was to convert an obligatory service into a customer focused sustainable corporate entity.

JUSCO is today India's only comprehensive urban infrastructure service provider. A Tata Enterprise, its services focus on the Tata Group Purpose "to improve the quality of life of the communities we serve".

The Group purpose is reflected in JUSCO's Mission of providing "*quality services for life*". Its services include Engineering Construction Procurement (EPC), Power Distribution, Integrated Township Management, Operation & Maintenance (O&M) and Real Estate. JUSCO works alongside civic bodies, large and small industries, local government bodies, communities and individuals to deliver value through sustainable solutions.

JUSCO has ensured that the challenges posed by the surge in urban growth, aspiration for a world-class city with the best quality of life in India have progressively been met. The Company consistently focuses on managing key urban amenities and resources efficiently and responsibly so as to make them available and affordable for the last mile consumer.

<http://www.juscoltd.com/>

### About MOTWANE

MOTWANE is a leading R&D and technology based electronic and IoT company with a strong presence in the electrical test and measurement arena. All products and solutions of the company are designed end to end indigenously to cater to its PAN India and Global Customers. The Motwane brand has developed trust through its innovative, reliable, rugged and consumer friendly products over the last 10 decades.

Recently the company has entered into the IoT based solution space with The Smart Street Lighting Solutions. The Company also has strong global distribution network in more than 30+ countries.

<http://www.motwanelighting.com>

### About LoRa Alliance

The LoRa Alliance™ is an open, nonprofit association that has grown to more than 500 members since its inception in March 2015, becoming one of the largest and fastest-growing alliances in the technology sector. Its members closely collaborate and share experiences to promote the LoRaWAN™ protocol as the leading open global standard for secure, carrier-grade IoT LPWAN

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connectivity. With the technical flexibility to address a broad range of IoT applications, both static and mobile, and a certification program to guarantee interoperability, the LoRaWAN protocol has already been deployed by major mobile network operators globally and connectivity is available in over 100 countries, with continuing expansion ongoing.

[www.lora-alliance.org](http://www.lora-alliance.org)

### Forward-looking and cautionary statements

Certain words and statements in this release concerning Tata Communications and its prospects, and other statements, including those relating to Tata Communications' expected financial position, business strategy, the future development of Tata Communications' operations, and the general economy in India, are forward-looking statements. Such statements involve known and unknown risks, uncertainties and other factors, including financial, regulatory and environmental, as well as those relating to industry growth and trend projections, which may cause actual results, performance or achievements of Tata Communications, or industry results, to differ materially from those expressed or implied by such forward-looking statements. The important factors that could cause actual results, performance or achievements to differ materially from such forward-looking statements include, among others, failure to increase the volume of traffic on Tata Communications' network; failure to develop new products and services that meet customer demands and generate acceptable margins; failure to successfully complete commercial testing of new technology and information systems to support new products and services, including voice transmission services; failure to stabilize or reduce the rate of price compression on certain of the company's communications services; failure to integrate strategic acquisitions and changes in government policies or regulations of India and, in particular, changes relating to the administration of Tata Communications' industry; and, in general, the economic, business and credit conditions in India. Additional factors that could cause actual results, performance or achievements to differ materially from such forward-looking statements, many of which are not in Tata Communications' control, include, but are not limited to, those risk factors discussed in Tata Communications Limited's Annual Reports. The Annual Reports of Tata Communications Limited are available at [www.tatacommunications.com](http://www.tatacommunications.com). Tata Communications is under no obligation to, and expressly disclaims any obligation to, update or alter its forward-looking statements.

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