



TCS/PR/SE-103/2018-19

October 24, 2018

National Stock Exchange of India Limited  
Exchange Plaza  
Bandra-Kurla Complex  
Mumbai  
Fax. No. 2659 8237 / 38  
Kind Attn.: Manager, Listing Department

BSE Limited  
P. J. Towers  
Dalal Street  
Mumbai  
Fax. No. 2272 2037 / 2272 3121  
Kind Attn.: General Manager,  
Department of Corporate Services

Scrip Code No. 532540 (BSE)

Dear Sirs,

We are sending herewith copy of a Press Release titled “**TCS partners with Intel to Further Secure Quartz Blockchain Solutions**” which will be disseminated shortly.

The Press Release is self-explanatory.

Thanking you,

Yours faithfully,  
For **TATA CONSULTANCY SERVICES LIMITED**

A handwritten signature in blue ink, appearing to read 'Rajendra Moholkar', written over a horizontal line.

Rajendra Moholkar  
Company Secretary

Encl: As above

**TATA CONSULTANCY SERVICES**

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Corporate Identification No. (CIN) : L22210MH1995PLC084781

## TCS partners with Intel to Further Secure Quartz Blockchain Solutions

*Tata Consultancy Services will Integrate Intel SGX Technology to Enhance Privacy and Security of Blockchain-based Ecosystems Built Using Quartz Blockchain Solution*

**SYDNEY | MUMBAI, October 24, 2018:** Tata Consultancy Services (TCS), (BSE: 532540, NSE: TCS), a leading global IT services, consulting and business solutions organization announced that it is partnering with Intel® to integrate Intel® Software Guard Extensions (Intel® SGX) technology with the Quartz Blockchain solution, to further enhance the privacy and security of blockchain based ecosystems implemented using Quartz.

Privacy and security have been two of the biggest concerns for organizations looking to migrate some of their business functions to blockchain. By integrating Intel® SGX technology, Quartz solutions now offer customers the ability to isolate sensitive business code, data and transactions requiring confidentiality within an “enclave” in an encrypted form, thereby protecting these from being accessed by unauthorized users.

**Anand Pashupathy, General Manager, Security Solutions Engineering Division, Software and Services Group, Intel Corporation,** said: “Intel processor technologies like Intel® SGX provide unique capabilities that can help improve the privacy, security, scalability and trust of blockchain networks. Tata Consultancy Services and their Quartz key management flow process utilize Intel® SGX to help corporations protect their assets and data when deploying blockchain solutions.”

**R Vivekanand, Vice President and Co-Head, Financial Solutions, TCS,** said “Central to TCS’ Business 4.0 framework is the use of technology to leverage ecosystems and to harness abundance. Quartz blockchain is a key enabler for this strategy. Even a single security incident can cause loss of trust and deter the adoption of blockchain. The integration of TCS Quartz with Intel® SGX strengthens security and helps in mitigating these concerns, so that customers can fully realize the potential offered by our blockchain solutions.”

This latest partnership is part of a long history of collaboration between these two leaders in their respective industries. TCS and Intel, both founded in 1968, complete fifty years since their founding. The two companies have been working closely on a variety of new technologies: high performance computing, artificial intelligence and Internet-of-Things, all towards helping customers further accelerate their Business 4.0 transformations.

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### **About TCS Financial Solutions**

TCS Financial Solutions is a strategic business unit of Tata Consultancy Services. Dedicated to providing business solutions to financial institutions globally, TCS Financial Solutions has compiled a comprehensive product portfolio under the brand name of TCS BaNCS. The TCS BaNCS universal financial solution is designed to help financial services institutions enhance end customer experience, enabling them to embrace open and innovative technologies that embody true digital customer engagement. Deployed at more than 450 installations worldwide, it is the largest collection of components, enterprise and

consumer apps for the financial industry made available through the cloud, helping firms become more agile and intelligent by leveraging the power of new and extended ecosystems.

To know more about TCS BaNCS, please visit: <http://sites.tcs.com/tcsbancs/>

#### **About Quartz Blockchain Solutions**

Blockchain has the power to bring organizations together by creating ecosystems that amplify the value delivered by each on a stand-alone basis. Such ecosystems have the potential to drive transformation across sectors, including BFSI, retail, healthcare, and utilities. Quartz can help organizations in the creation of such industry networks and ecosystems, and facilitate easy connectivity to them. It can thus help organizations harness the power of Business 4.0, a TCS framework designed to help our customers experience personalization, create exponential value, leverage the power of ecosystems, and embrace risk. Quartz is designed keeping in mind principles of co-existence, integration and interoperability and can redefine how organizations can collaborate, leverage their collective strengths and create strong business value for end customers.

#### **About Tata Consultancy Services Ltd. (TCS)**

Tata Consultancy Services is an IT services, consulting and business solutions organisation that has been partnering with many of the world's largest businesses in their transformation journeys for the last fifty years. TCS offers a consulting-led, Cognitive powered, integrated portfolio of IT, Business & Technology Services, and engineering. This is delivered through its unique Location Independent Agile delivery model, recognised as a benchmark of excellence in software development.

A part of the Tata group, India's largest multinational business group, TCS has over 400,000 of the world's best-trained consultants in 46 countries. The company generated consolidated revenues of US \$19.09 billion for year ended March 31, 2018 and is listed on the BSE (formerly Bombay Stock Exchange) and the NSE (National Stock Exchange) in India. TCS' proactive stance on climate change and award winning work with communities across the world have earned it a place in leading sustainability indices such as the Dow Jones Sustainability Index (DJSI), MSCI Global Sustainability Index and the FTSE4Good Emerging Index. For more information , visit us at [www.tcs.com](http://www.tcs.com)

#### **TCS Financial Solutions media contacts:**

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For immediate use **PRESS RELEASE**

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