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FOR IMMEDIATE RELEASE

No. 3026

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Mitsubishi Electric to Upgrade IMEWE Cable System

Data capacity of the submarine network is increased significantly with 100Gbps technologies

TOKYO, May 19, 2016 – [Mitsubishi Electric Corporation](http://www.mitsubishielectric.com) (TOKYO: 6503) announced that it will upgrade the India-Middle East-Western Europe (IMEWE) Cable System with 100gigabit per second (Gbps) dense wavelength division multiplexing (DWDM) based on a contract signed on October 4, 2015, thereby increasing the transmission capacity to 5.6Tbps. The upgrade, which will involve installing submarine line terminal equipment (SLTE) and terrestrial line terminal equipment (TLTE) in eight countries, is expected to be completed by the second quarter of 2016.



The IMEWE Cable System, which was commissioned in 2010 as a 10Gbps DWDM system, is an ultra-high capacity fiber optic submarine cable system which links India to Europe via the Middle East. The system is approximately 12,000 kilometers long and includes 10 terminal stations owned by a consortium of nine leading telecom operators in eight countries: India, Pakistan, UAE, Saudi Arabia, Egypt, Lebanon, Italy and France. The cable system comprises three optical fiber pairs with two fiber pairs on an express path, plus a terrestrial link connecting the cities of Alexandria and Suez in Egypt. Mitsubishi Electric previously upgraded the system in 2012 with 40Gbps DWDM, the latest technology available at the time.

Mitsubishi Electric will deliver new MF-11200GWS Submarine Line Terminal Equipment (SLTE) and Terrestrial Line Terminal Equipment (TLTE) with superior coherent technology to all 10 landing stations. In addition to a drastic increase in the ultimate capacity, Mitsubishi Electric has also been able to double the data capacity per rack and improve the total power consumption per cable station.

Mitsubishi Electric has been a leader in submarine cable systems ever since supplying the world's first optically amplified repeaters for the 5Gbps TPC-5 project in 1994. Subsequently, in 1999, Mitsubishi Electric supplied the world's first 10Gbps submarine transmission technology for transoceanic cables. The introduction of 40Gbps transmission technology into the TAT-14 cable network (May 2011), Asia-America Gateway (November 2011) and the IMEWE Cable System (December 2011) built Mitsubishi Electric's reputation worldwide as a leader in the move towards the terabit era. In 2015, Mitsubishi Electric introduced 100Gbps transmission technology into the SEA-ME-WE 4 (South East Asia-Middle East-Western Europe 4) Cable System linking South East Asia to Western Europe via the Middle East.

The development of 100G SLTE/TLTE incorporating superior coherent technology was supported in part by the “High Speed Optical Transport System Technologies” and “High-speed Optical Edge Node Technologies” R&D projects of Japan’s Ministry of Internal Affairs and Communication.

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About the Consortium

The nine IMEWE Cable System parties in eight countries which have contracted the upgrade are Bharti Airtel Limited (India), Emirates Telecommunications Corporation (UAE), OGERO Telecom (Lebanon), Orange S.A.(France), Pakistan Telecommunications Company Limited (Pakistan), Saudi Telecom Company (Saudi Arabia), TATA Communications Limited (India), Telecom Egypt (Egypt), and Telecom Italia Sparkle S.p.A (Italy).

About Mitsubishi Electric Corporation

With over 90 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Embracing the spirit of its corporate statement, Changes for the Better, and its environmental statement, Eco Changes, Mitsubishi Electric endeavors to be a global, leading green company, enriching society with technology. The company recorded consolidated group sales of 4,394.3 billion yen (US\$ 38.8 billion*) in the fiscal year ended March 31, 2016. For more information visit:

www.MitsubishiElectric.com

*At an exchange rate of 113 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2016