Sterlite Technologies successfully tests multi-terabit data transmission over long haul network

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Pune, India – April 21, 2014: Sterlite Technologies Limited [BSE: 532374, NSE: STRTECH] announces a milestone technology development in telecommunication space.

As an extension of Sterlite's continuous endeavor to bridge the gap between bandwidth demands and transmission capacity in the country, Sterlite's Center of Excellence at Aurangabad, India has successfully established and tested multi-tera bit transmission over long haul network.

A successful Dense Wavelength Division Multiplexing (DWDM) test transmission of 80 wavelength channels operating at 128 Gbit/s each spaced at 50 GHz over 1840 km of Sterlite's G. 652.D OH-LITE fiber has been demonstrated for the first time in India. A significant indigenous capability is now established to transmit huge volumes of data over long distances. For example, around 85,000 movie files of 700 MB each can now be transferred from Bangalore to Kolkata in a minute.

While explaining the importance of this technology breakthrough, Dr. Badri Gomatam, CTO at Sterlite technologies, says, "In emerging economies, there is a need to plan infrastructure for accommodating faster transmission of huge volumes of data. Our Center of Excellence focuses on end-to-end development of this capacity. Improving the quality of the preform, developing next generation optical fibers, specialized cabling solutions and enhancing network integration capability together contribute to a future proof infrastructure".

Furthermore, the Center of Excellence has a strong focus to enhance test-bed capability to much higher data rate (e.g. 400Gbit/s per channel) and longer transmission distances. The effort is to accelerate Sterlite's vision of national competence towards Terabit scale communications for better telecom infrastructure planning at a national level and for Telecommunication operators.

"This is a proud moment for us as it establishes India among a few countries globally who possess such an advanced data transmission network capacity. Sterlite is committed to building a high speed last mile broadband infrastructure capability in India to reach from urban to semi urban to the most remote rural areas", quotes Pravin Agarwal, Director, Sterlite Technologies Limited.

About Sterlite Technologies Ltd:

Sterlite Technologies Limited (STL), a US$ 600 mn company, develops & delivers products, solutions and infrastructure for telecom & power transmission networks, globally. STL is among the global leaders in all its business areas of Optical Fiber, Fiber Optic Cables, Power Conductors and HV / EHV Power Cables through its operations in India, China & Brazil. As the most integrated Optical Fiber company in the world, STL is also a neutral infrastructure provider for its Fiber to the Home (FTTH) solutions. STL is developing several transmission infrastructure projects worth US$ 1 bn, spanning over 3000 Kms, across India. Listed on Stock Exchanges BSE & NSE in Mumbai, India, Sterlite Technologies is a public company with broad shareholder base.

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