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India's ONGC Selects Hughes JUPITER™ System for Major Satellite Network Upgrade

Largest producer of crude & natural gas aims to revamp and augment existing satellite network

New Delhi, December 20, 2016 — Hughes Communications India, Limited ('Hughes India'), a majority-owned subsidiary of Hughes Network Systems, LLC (HUGHES), the global leader in broadband satellite solutions and services, today announced that Oil and Natural Gas Corporation (ONGC), India's largest producer of crude oil and natural gas, has selected the Hughes JUPITER™ System to revamp and upgrade its existing satellite network across India.

Hughes India will implement the JUPITER System to augment its existing C-Band Network with the latest HTS (High-throughput satellite) technology, delivering reliable multi-service data, voice, and video traffic with high spectral efficiency across nearly 200 offshore and onshore oil and gas platforms, drilling rigs and vessels, including enterprise managed services in locations spread across the country.

The new setup will upgrade ONGC's existing ICNET and MFTDMA networks to a state-of-the-art architecture employing four JUPITER gateways, SCPC carrier-grade modems and several large antenna and RF systems. Valued at over INR 45 crore (US\$6.7 million) the project will be carried out on a turnkey basis and will include new network installations, upgrades and network transition across 94 fixed sites and 112 nomadic sites with comprehensive maintenance for two years.

Partho Banerjee, Director, Hughes India said, "We are very proud to have been awarded this important project by ONGC, amid a tough competitive tender scenario. It validates the compelling benefits of high-performance, enterprise-class broadband delivered by our JUPITER System and is an endorsement of the wide range of system integration experience Hughes India has in implementing large turnkey networks."

Shivaji Chatterjee, Head - Enterprise Services, Hughes India further added, "Satellite broadband is the ideal technology for extending connectivity to remote off-shore areas typically well beyond the reach of terrestrial and wireless options. With our proven high-throughput JUPITER System and associated state-of-the-art technologies, we are confident that ONGC will reap the many benefits of a next-generation network that is second-to-none in the country."

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The Hughes JUPITER™ System features a flexible and robust gateway architecture with lights-out operation, enhanced IPoS air interface for bandwidth efficiency, and high-throughput terminals, enabling operators to achieve the highest possible capacity and efficiency for any satellite broadband implementation. The underlying technology is the powerful JUPITER System on a Chip (SoC), a custom-designed microprocessor employing a multi-core architecture and enabling 100 Mbps of throughput on every terminal in the JUPITER family.

About Hughes India

Hughes Communications India Ltd (Hughes India) is India's leading provider of broadband networks and services, a majority owned subsidiary of Hughes Network Systems, LLC (Hughes). Hughes India is engaged in the business of selling & supporting satellite telecom networks, and is the largest satellite service operator in India providing a comprehensive range of broadband networking technologies, solutions, and services for businesses and governments, including Managed Services to meet every communications challenge. More information is available at www.hughes.in.

About Hughes

Hughes Network Systems, LLC (Hughes) is the global leader in satellite broadband for home and office, delivering innovative technology solutions and a comprehensive suite of HughesON™ managed services for enterprises and governments worldwide. HughesNet® is the #1 high-speed satellite Internet service in the marketplace, with offerings to suit every budget. To date, Hughes has shipped more than 5 million systems to customers in over 100 countries, representing approximately 50 percent market share. Its products employ global standards approved by the TIA, ETSI and ITU organizations, including IPoS/DVB-S2, RSM-A, and GMR-1.

Headquartered outside Washington, D.C., in Germantown, Maryland, USA, Hughes operates sales and support offices worldwide, and is a wholly owned subsidiary of EchoStar Corporation (NASDAQ: SATS), a premier global provider of satellite operations and digital TV solutions. For additional information about Hughes, please visit www.hughes.com.

About EchoStar

EchoStar Corporation (NASDAQ: SATS) is a premier global provider of satellite and video delivery solutions. Headquartered in Englewood, Colo., and conducting business around the globe, EchoStar is a pioneer in secure communications technologies through its EchoStar Satellite Services, EchoStar Technologies and Hughes Network Systems business segments. For more information, visit echostar.com. Follow [@EchoStar](https://twitter.com/EchoStar) on Twitter.

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