

MUMBAI, August 18, 2017 /PRNewswire/ --

India's current dynamic is a population of approximately 1.3 billion people living in 3.1 million sq. km. The road network in India spans about 5.5 million km with road densities of 2.75 km per 1,000 people and 770 km per 1,000 sq. km as compared to world averages of 6.7 km and 840 km respectively. Further, about 15% of the network carries 80% of the traffic. There is an urgent need for improved road connectivity and bridge construction. The technological advancement in this sector will act as a growth catalyst to increase the pace and the development of the construction sector.

So, where does Strata fit into this? The dire need for innovative technologies, superior construction quality, time-sensitive project life-cycles, and a reliable partner has made Strata Geosystems a market leader in the soil re-engineering and geotechnical solutions space in India.

Strata has recently completed the construction of the [largest reinforced soil wall project in India](#). The project involved [StrataBlock™](#) and [StrataGrid™](#). StrataBlock™ is a composite system consisting of concrete block units in combination with a mass of soil which is reinforced and stabilised by StrataGrid™. StrataGrid™ is a high tenacity polyester yarn knitted into a dimensionally stable network of apertures, providing tensile capacity. It has been proven as a technically superior, economical, and environmentally-friendly solution for soil reinforcement. The wall expanded through the congested stretch of National Highway 48 (NH-48) between two major cities, Ahmedabad and Vadodara, in the state of Gujarat. This was a very demanding project because the highway was a vital entry path for commercial goods into the state. The area covered by Strata in this project included more than 250,000 sq. meters of wall fascia spread over 46 structures. **This project was the first Ultra Mega highway project released by the Government in 2011. This is the single largest reinforced soil project ever executed in India by one company.**

Strata provided a turn-key solution by playing many different roles: the manufacturer, supplier, planner, designer, and executor. The manufacturing and supply of StrataGrid™ was from our manufacturing facility in Daman, India and was intricately planned to ensure meeting a tight delivery timeline. The project required 3 million sq. meters of StrataGrid™.

While the project was being executed, Strata also designed a temporary reinforced slope to enable smooth movement of road traffic. Strata faced several unforeseen underground obstacles including challenges with handling material amidst heavy traffic and confronting high ground water conditions. "To be able to manage four different casting yards, engage engineers and managers to supervise over 500 workers, plan for large quantities of raw material, and complete 46 structures on time can become a logistical nightmare. However, with the support of a talented, dedicated, and hard-working team, anything is possible. I am extremely proud of our team for this achievement," said Mujib Katrawala, Chief Operating Officer of Strata India.

For more information, please visit our website - <http://www.strataindia.com>.

About Strata Geosystems

Strata Geosystems is a market leader in the geosynthetic segment for soil reinforcement solutions around the world. It was established in 2004, in partnership with Strata Systems Inc., USA - a two decade veteran in geosynthetics.

Strata provides end-to-end solutions for soil reinforcement challenges including supply, design, and construction with our world renowned StrataGrid™ (geogrid) and StrataWeb® (geocells).

Our manufacturing plants are ISO certified and our products have the CE mark. In addition, all testing is conducted in GAI-LAP accredited labs across the U.S., U.K., and India. We are also a proud member of the International Geotechnical Society (IGS) promoting advancements in geosynthetics.

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