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Construction Industry I

GWRL offers end-to-end solutions to infrastructure industry'

Garware Wall Ropes Ltd is an ISO 9001 2008 certified company established in 1976 and is a leading technical textile company specializing in providing customized solutions to the contage and inherinchire industry okballi

As a global player, the company is known for its innovation in the feld of fisheries, aquaculture, shipping, sports, agriculture, coated fabrics and geosynthetics. The company products are manufactured in state of the art facilities at Pune and Wai footh in Maharashna) and marketed in more than 75 countries.

GWPL is a well-known placer for its contribution to the infrastructure inclusity (toacts, sea coasts, bridges, high tensin regions susceptible to rock falls, etc) by way of its geosynthetic products. These products are manufactured on the principle of the cordage industry, but its applications require a huge amount of scientific

Which marques projects has the company completed in the construction and infrastructure

GWRL undertakes specialized projects within the infrastructure space, in domains like rock fall mitigation, countal protection, river training, etc. Some of the major projects

completed by GWRL are

Rock tall hazard protection in the ghat section of the Mumbai-Pune Expressway in Maharashira. executed for the Maharashira State Road Development Corporation.

Coastalprotection using geo-textile tubes in Uppsida, Andhra Fradesh, executed for the impation Department. of Andhia Prodesis

Secured Londfill (SLF) for Hindustrian Zinc Ltd in Vishakhapatnam, Andhra

containers, Hozes, resouted for the Adari Group

Garware is better known for technical tentiles and nylon rope products. When did it foray into the

GMRL's technical textiles and the capping



Tiru Kurkarni, Woe Resident, GEO Distain, Garware Mali Ropes-List (GMRL), electrosists on the autotracting projects the company has executed and the immense difficulties it had to surmount for their successful completion in this interview with DNp Pharmacker. Exercise:

Inbraried rope products were tried out. successfully in a couple of infrastructure projects in the 1990s. This was at a time when the infrastructure industry in India was being moderized and large projects were on the anvil of the indian government

GWRL's forayinto the inhastructure industry happened in 1998, with the setting up of the GEO Division, to focus on opportunities in this includity.

What shallenges did you confront in the closure and capping of industrial sludge pond at Vishaktapatham?

The capping of the sludge pond presented a lot of challenges, primarily the low bearing capacity of the sludge. which made it almost impossible for any vehicle movement on the sludge. Without movement of machineries, it was impossible to move forward with

This problem was sorted out by using a special technique for pond filling called Tinger fill technique. which involved the use of geo-textile for improving the bearing capacity of the sludge and allowing construction machinery to ply on it, in a phased

Detailed geotechnical investigation is the foundation of a good design exercise for any project. The subsurface strata vary constantly and a well. conducted geotechnical investigation allows an efficient design and execution. The technicality involved is in deciding what locations to conduct the investigation in order to get a complete picture of the sub-surface composition of the site in question.

pend project time to complete – from start to finish? The industrial sludge pand took fit

months from start to finish.

How would you define the term

Groynes" are intervention structure that are positioned perpendicular to the direction of water flow in a river with the objective of dual objective of directing the river ouvert away from the bank to be protected, and causing situation along the éver hank. Claryner are crimerily used for river training

Since the project was near the see coast, what hurdles did the company surmount?

The Lippanda project was very close to the sea shore and presented a number of challenges. The main hurde was the tidal variation at the project location. The licial variation was around Sm. Since the variation occurred twice every day with different timings. This meant that the construction schedule had to be dove-tailed with the falling lide on a daily basis.

Hence the entire construction was achieved by working in two shifts every day, with different sets of limings to each shift, depending upon the lide. This entailed very accurate planning and co-ordination of all resources.

under control the erosion on the slopes of Jarosite Pond in Vizag? The technology that was used or

the slopes of the Jarosite Pond is Wing was through an indigenously developed erosion control technology for side slopes. The technology consists of apreading a bio-degradable mail on their alopes and turling the Bacter

The bio-degradable mat provides the initial support system for generator of vegetation on the slope, and, with time, degrades and acts as composi-for the developed vegetation. The developed vegetation sustains the alope from erosion control. This is a 'green' technology that leaves a mini mai cortoin footprint while solving