



**Jeevan**  
Ecotex  
Sustainable Weaves

EcoTube &  
EcoBag

EcoTextile sand or soil containers are excellent for erosion control, protection and force absorption. They are ideal for coastal, off-shore, waterfront, waterway structures, foundation and any applications requiring exceptional protection, long term durability and performance.

EcoTube is a geosynthetic product made from soil tight EcoTextile sheets of a certain size and diameter as required by the project. It is a tube hydraulically filled with a mix of sand/dredged material and water, and has pores regularly spaced along its length for the purpose of dewatering.

A EcoTextiles EcoBag is a bag or sack filled with sand or aggregate material to serve as a barrier or support to protect an area. They are hydraulically stable, UV resistant and can absorb sea waves.



## Applications

EcoTube and EcoBags are versatile and highly robust and their long lifespan, durability, and low cost make them a popular choice to work with. They are easy to install, maintain and have minimal, if any, impact on the environment or aquatic life and vegetation.



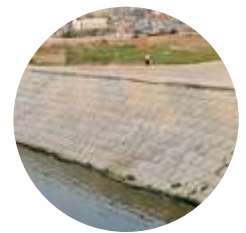
Coastal abrasion protection - ports and harbours, dams & levees



Inland waterway protection



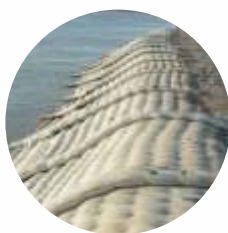
Marine revetments protection



River Slope Strengthening



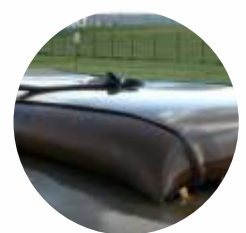
Ecobags in coffer dams



Scour Protection to breakwaters, embankment, jetties, dykes and groynes



Riverbed protection



Filtration

# Functions



## Shoreline Protection

- ✓ Resist the erosive forces of the wave
- ✓ Dissipate Wave reducing the size & energy of wave



## Erosion Control

- ✓ EcoBags restrict the loss of sand through tidal and waves currents



**Geocontainers**

### Design Parameter

GEOBAGS	GEOTUBES		MEGACONTAINERS (BOX TYPE)	
	Size	Length	Dia	Volume
1 X 0.7M	10M	1.5.2.2.3.2MTRS	0.3m <sup>3</sup>	500-700
2 X 1.5M	16M	1.5.2.2.3.2MTRS	0.75m <sup>3</sup>	1400-1600
	32M	1.5.2.2.3.2MTRS	2.5m <sup>3</sup>	4500-5000

**Customised sizes also available**

# Benefits



## Durability & Efficient

With proven technology, the installation of EcoTubes and EcoBags are easy, fast and practical. They are custom designed with double stitches, have high tensile strength and are resistant to UV rays, chemicals, and microorganisms, they are acid & alkali resistance corrosion-resistant and impermeable to the soil but water permiable.



## Environment Friendly

EcoTubes and EcoBags are environment-friendly as they can be filled with readily available local material without needing transportation from elsewhere, thus lowering carbon footprints and saving money too. They also allow vegetation that provides additional protection while creating a habitat zone.



## Cost Saving

EcoTubes/ EcoBags do not need costly filling materials and are as effective with locally available infill materials. This brings down the cost along with the cost of transportation with projects completed faster, saving time and money.

## About Us

Jeevan Ecotex is a leading manufacturer of technical textile with state-of-the-art manufacturing facilities at multiple locations. It is an **ISO 9001: 2015 certified company**, providing customised solutions.

## Why Jeevan Ecotex

We are uniquely placed as the only major nonwoven player with in-house R&D capabilities and multiple manufacturing units in Maharashtra, India. Other advantages are

- Strong brand association with reputed clients
- Continuous online monitoring of production
- Products customized as per requirements
- Cost-effective environment-friendly manufacturing
- Fast turnaround times

Jeevan Ecotex Private Limited

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