

# Lasting reinforcement for marine environment



## Colombo International Financial City (Port City) Colombo, Sri Lanka

**Tensar**<sup>®</sup>  
A Division of CMC

**PROJECT DETAILS**

Constructed in  
**2020**



*Completed photo of the modular block wall faced reinforced soil retaining wall system in late 2020*

**Walls & Slopes | No. 497**

**CLIENT'S CHALLENGE**

The client expressed a requirement for the walls to be constructed on reclaimed land, emphasizing the concern for potential settlement despite prior soil improvement measures. Additionally, given the proximity to the sea, the client sought a corrosion and chemical-resistant system that adhered to budgetary constraints.

**TENSAR SOLUTION**

Tensar suggested using the modular block wall system, which fulfilled the client's requirements whilst keeping the construction cost within budget. A single-tiered reinforced soil wall, with a maximum height of 8 meters on reclaimed land for the brand new city development, Port City Colombo, was introduced to the customer. This system, an extension of the central business district of Colombo that offers city living along the warm waters of the Indian Ocean, represented an excellent solution, as modular blocks have a higher tolerance against differential settlement compared to a rigid facing wall.

**B E N E F I T S**

- **Resilient system** in tolerating ground settlement over reclaimed land
- **High tolerance** against marine environment
- **Reliable system** that consistently performs its intended function

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