

TATA STEEL

 WeAlsoMakeTomorrow



ULTRA-DURABLE WITH LOWER LIFE CYCLE COST

Advantages of FRP footbridges



Ultra-durable

- Assured lifetime of FRP footbridges is 100 years
- Ideally suited to corrosive marine, riverine, harbour, saline & industrial environments
- Can even withstand continued exposure to acids, salts & alkalis without any sign of corrosion



Lightweight

- 30% to 50% of the weight of an equivalent steel bridge
- 25% of the weight of concrete bridge
- With use of carbon fibres, weight reduction could reach 75%



Cost-effective

Total Cost of Ownership (TCO) of FRP footbridge can be lower than that of an equivalent steel solution by more than 33%



Reduced maintenance cost over life cycle



Prefabrication



Quick Installation

First FRP Golf Course Bridge in India, 2019

- Manufactured in India by TSL
- Total length 16 m and functional width 2 m
- One central span of 7 m over canal; Two end approach spans of 4.5 m each
- Filament wound girders, deck & handrail posts
- Pultruded handrails, bottom rails & intermediate posts
- Wooden surface texture imitated with FRP jacket for aesthetic harmony with the Golf Course
- For golf-cart & human movement

**NEW MATERIALS
BUSINESS**

An Initiative of Tata Steel

**FIBRE REINFORCED
POLYMER PRODUCTS**

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