

## Project Info

 APR 14 Dec & Jan 2018

 CC8™

 # 2150sqm

 Longitudinal Layer

 Ahmadpur

 Eastern Railway



*Working Installation Photos of Concrete*

The work was allotted by Dy. Chief Engineer, Cons-IV/Howrah to control the erosion problem in embankment. Location was allotted at Km 1/7-9 in Ahmadpur – Katwa station in connection with Ahmadpur – Katwa gauge conversion project.

The soil on embankment is prone to erosion due to vibrations caused by train movements regularly as well as rain. At some of sections water gets logged & enter in foundation substrate of railway tracks laid. We came up with the solution to use Concrete Canvas for slope erosion protection & combined catch water drain works wherever needed.

In December 2018 the work has been started to protect the slope from erosion of soil. First of all, we clear the surface from shrubs and fill the pit holes with soil and tried to even the slope and dressing was done. After that measured cut pieces laid on slope one by one with overlap of 100 mm between two pieces of CC then fixed it with the help of pegs having 1.5-2.5 meters length (On each 1m. interval) & 1.5" fully threaded round headed screws having washers. Two lines of screw are maintained on the overlap for better fixing result (each at 200mm distance in straight and 100mm in zigzag way). Insert ½ mt. Concrete Canvas on Both side drain with using Pegs for Fixed and done concreting on Drain portion. Then cure it with water for one with 2-3 hours intervals.

The work completed in two stages of 1125sqm & 1025sqm in December & January.





Site before preparation



Devegetation & Surface preparation



Drain & Anchor trench



Dressing work complete



Unrolling & Measurement



Cutting of CC





Laying of CC patches



100mm overlap matching



Pegging with spacing 1m



Screwing on 100mm spacing



Concreting in anchor trench



Hydration of CC





*Side view of Installation*



*Side view of Installation*



*Installation Complete Photo*



*Installation Complete Photo*