









Project Info

-  02/01/2020
-  CC5™
-  69m²
-  Longitudinal Layer
-  Sultanpur
-  Northern Railway





[Double Click to
Watch Video](#)

LHS covering by Geomat / HDPE after concrete canvas work

As part of multiple LHS launchings in Northern Railway tender by Construction Office, Lucknow, we have joint with M/S A. S. Builders for LHS Joint covering work for leakage protection by concrete canvas 5mm thick.

Concrete Canvas is an effective and rapid solution for leakages protections where joint is subject to movements. Construction joints in LHS boxes are subject to movement due to train movement above it causing gaps to leak rain water as well as stone dust at some extent. If a filling material is used it breaks due to continuous movement so railway generally use steel plates over it. As the time passes steel plates begin to corrode so concrete canvas is used as an additional part of protection.

The work was done in three steps for full proof protection. First we installed concrete canvas 5mm thick over joints of LHS and fixed it with sealant adhesive. After hydration of CC5, it is workable for next 2hours so second covering with Steel plates is done by Contractor. After that for final protection Geomat or HDPE type product of nominal thickness is used so that CC can be protected from damages due to backfilling of soil & aggregates.

The work was completed in 4 to 6 hours with 10 labours and 2 supervisors' team.



CC patch measurement



Cutting of CC patch in required dimensions



Cleaning of PVC portion



Sealanting Work



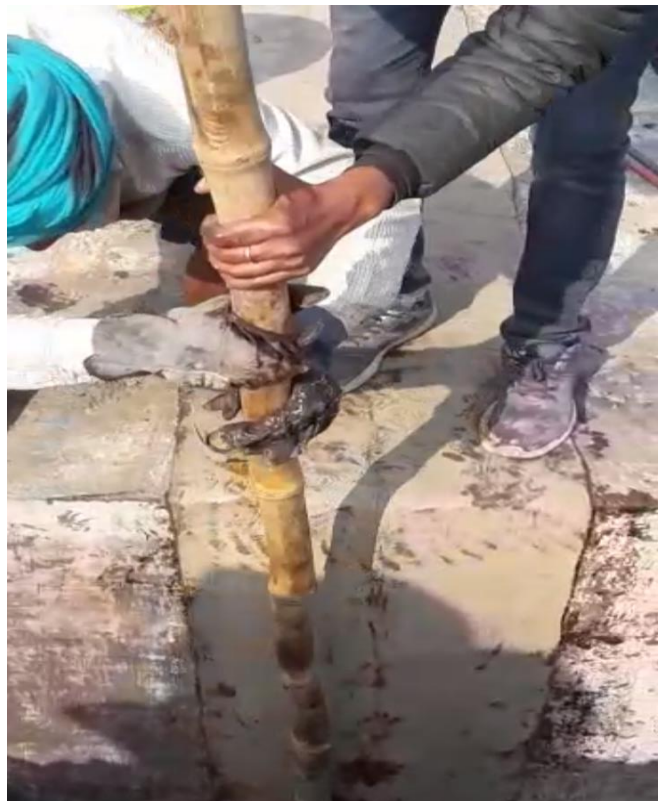
Cleaning of Dust from Joints



Cutting of CC patch in required dimensions



Placement of CC patch over Joint



Pressuring CC to Box for proper contact



Cleaning of Dust from Joints



Cutting of CC patch in required dimensions



Covering CC Patches & Joints with Geomat / HDPE sheet