



Tunnel Water Proofing with Membrane

Region	Himachal Pradesh (India)
Type	Tunnel Waterproofing
Main Contractor	Navayuga Engineering Company Limited
Execution of the work	Renesco India Private Limited
Construction Period	2014-15

Project Description

Pressure release waterproofing system has to be applied, using PVC membrane 2.0 mm thick, on the surface of the tunnel. Drainage system being a key component of pressure release waterproofing system has to be installed along with waterproofing membrane and protection sheet has to be used for the protection of waterproofing membrane.

Scope of work

Supply and apply of following itmes for around 93,742 Sqm surface area of the tunnel

- A combined drainage and protection layer made of HDPE
- 4.0 mm thick Tundrain type B drainage mesh
- PVC membrane 2.0 mm thick with signal layer
- Protection sheet PVC-P 2.0 mm thick
- PVC Waterbar 280 mm wide with four anchors 30 mm heigh to form compartments and seal construction joints
- PVC termination tape 220 mm wide
- **System installed as per DVS 2212 guidelines by trained and certified PVC welders.**

