



## Tunnel Water Proofing with PVC Membrane

<b>Region</b>	Uttarakhand (India)
<b>Type</b>	Tunnel waterproofing
<b>Client</b>	NHIDCL
<b>Main Contractor</b>	Navayuga Engineering Company Limited
<b>Execution of the work</b>	Renesco India Private Limited
<b>Construction Period</b>	2019 – 2020

## Project Description

Pressure release waterproofing system has to be applied on the surface of tunnel using PVC membrane 2.0 mm thick with drainage system, to be installed along with waterproofing membrane and protection sheet. Formation of compartment as per gantry length with the use of waterbar.

## Scope of work

Supply and installation of following items for around 80,000 Sqm surface area of the tunnel

- PVC membrane 2mm thick with signal layer
- Non woven Polypropylene based Geotextile with minimum weight of 500g/m<sup>2</sup>
- PVC Waterbar 280mm width with four anchors of 30mm high
- Drainage board with dimple height of 8mm, Compressive strength > 200 KN/m<sup>2</sup>
- Non woven Polypropylene based Geotextile with minimum weight of 300g/m<sup>2</sup>
- **System installed as per DVS 2212 guidelines by trained and certified PVC welders.**

