



Tunnel Water Proofing with PVC Membrane

Region	Jammu & Kashmir (India)
Type	Highway Tunnel waterproofing
Client	National Highway Authority Of India (NHAI)
Main Contractor	Navayuga Engineering Company Ltd.
Execution of the work	Renesco India Private Limited
Construction Period	2016 – 2021

Project Description

The project is a double tube tunnel consisting of two parallel tunnels, one for each direction of travel. Each tunnel is 7 m wide and has two lanes of road. Total length of the tunnel is 15 km. Corridor between two tubes inside the tunnel after every 500 m has been developed and this can be utilized in any emergency case in either tube. The tunnel will have forced ventilation for extracting smoke and stale air and infusing fresh air. Pressure release waterproofing system has to be applied on the surface of tunnel, using PVC membrane of 2mm thickness as a main waterproofing component and the mechanical protection sheet, called the exterior sheet of Geotextile having minimum weight of 600 g/m²

Scope of work

Supply and installation of following itmes for around 3,28,580 Sqm surface area of the tunnel

- PVC membrane 2mm thick with signal layer
- Non woven Polypropylene based Geotextile with minimum weight of 600g/m²
- **System installed as per DVS 2212 guidelines by trained and certified PVC welders.**

