



Tunnel Water Proofing with PVC Membrane

Region	Jammu & Kashmir (India)
Type	Tunnel waterproofing
Client	KRCL (Konkan Railway)
Main Contractor	SAI-SRM Projects
Execution of the work	Valplast India LLP 2019 -
Construction Period	2020

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 the system that releases the water pressure and diverts water into the drain, has to be installed along with waterproofing membrane.

Scope of work

Supply and installation of following items for around 3,50,000 Sqm surface area of the tunnel

- PVC membrane 2mm thick with signal layer
- Non woven Polypropylene based Geotextile with minimum weight of 700g/m² installed between substrate and membrane as a separation layer
- Drainage board with Compressive strength > 723 KN/m²
- Non woven Polypropylene based Geotextile with minimum weight of 700g/m² installed over the membrane as a protective layer
- **System installed as per DVS 2212 guidelines by trained and certified PVC welders.**

