



## Tunnel Water Proofing with PVC Membrane

<b>Region</b>	Assam (India)
<b>Type</b>	Tunnel waterproofing
<b>Main Contractor</b>	RVR Projects Pvt. Ltd.
<b>Execution of the work</b>	Valplast India LLP
<b>Construction Period</b>	2016 – 2018

## Project Description

Pressure release waterproofing system has to be applied on the surface of tunnel using PVC membrane of 2.0 mm thick with drainage system and the formation of compartments using waterbar as per gantry length to prevent whole system affected in case of any damage due to any reason, in future, and the affected area will be a compartment only it will be easy for treatment of that area only.

## Scope of work

Supply and installation of following itmes for around 60,000 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>
- HDPE dimpled sheet Dimple Board with dimple height 8.0 mm with minimum weight of 500g/m<sup>2</sup> having compressive strength >200kN/m<sup>2</sup>
- Dimple Board with dimple height 8.0 mm thick with minimum weight of 1000g/m<sup>2</sup> for horizontal surface
- PVC waterbar 280mm width with four anchors 30mm high
- **System installed as per DVS 2212 guidelines by trained and certified PVC welders.**

