



## Tunnel Water Proofing with Membrane

<b>Region</b>	Rajsthan (India)
<b>Type</b>	Tunnel waterproofing
<b>Main Contractor</b>	Navayuga Engineering Company Limited
<b>Execution of the work</b>	Valplast India LLP
<b>Construction Period</b>	2016 – 2017

## 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 and it will be easy for treatment of that area only.

## Scope of work

Supply and installation of following items for around 10,328 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 200mm width with four anchors 30mm high
- Protection sheet, PVC-P, 2mm thick with high impact resistance with different color from waterproofing membrane
- PVC water stop serrated with bulbs (300 mm wide 8/11 mm thick)
- **System installed as per DVS 2212 guidelines by trained and certified PVC welders.**

