



# Installation Method Statement

## 160mm PVC Pressure Relief Valve for Canal Lining

This document gives a general method statement for the installation of a 160mm PVC Pressure Relief Valve in canal lining / lined canal under-drainage works. The actual method must follow approved BOQ, project drawing and site engineer instruction.

### 1. Scope

Applicable for installation of 160mm PVC Pressure Relief Valves in canal bed, side slope, drain connection or filter pocket locations where pressure relief is specified by project design.

### 2. Pre-Installation Checks

- Confirm valve location, spacing and orientation from approved drawing.
- Confirm filter pocket / drain detail and required filter material.
- Inspect valve for visible damage, correct size and clean perforated top.
- Confirm site levels and lining preparation with site engineer.
- Keep valve opening and filter path protected from cement slurry, debris and mud.

### 3. Installation Procedure

Step	Activity
1	Mark the pressure relief valve location as per approved drawing.
2	Prepare the bed / side-slope pocket or drain connection as specified.
3	Place the 160mm PVC Pressure Relief Valve in the correct orientation.
4	Fill the surrounding pocket / drain area with specified graded filter material where required.
5	Fix the valve / plate arrangement in line with project method and consultant instruction.
6	Complete lining work carefully without blocking the valve opening or filter media.
7	Clean the visible valve area and check free discharge path after lining work.
8	Record installation location and inspection observations in site checklist.



## 4. Quality Control Points

Check Point	Acceptance / Verification
Valve size and type	160mm PVC Pressure Relief Valve as per BOQ / drawing
Valve location	As per approved drawing and site engineer marking
Orientation	Correct top / discharge orientation and accessible opening
Filter pocket / drain connection	As per project design; filter path not clogged
Concrete / PCC lining around valve	No blockage, displacement or damaged valve body
Photographic record	Photo before and after lining where required

## 5. Safety and Handling

- Use appropriate PPE as per site safety plan.
- Handle PVC components carefully to avoid cracks or deformation.
- Do not use damaged valves.
- Store valves on a clean surface away from heavy impact and direct fire / heat sources.
- Follow all site safety instructions for canal construction work.

## 6. Records

- BOQ / drawing reference
- Valve quantity installed
- Installation location / chainage
- Inspection remarks
- Site engineer / QC sign-off

**Engineering note:** This method statement is a general reference only. Final installation, spacing, filter material and acceptance criteria shall be approved by the project engineer / consultant.

**For project-specific discussion, send BOQ / drawing on WhatsApp: +91 8667 408 543**