

# Inspection and Testing Procedures for Concrete Works

## Method Statement (Sample)

### 1. Scope

This method statement covers the inspection and testing procedures for all concrete works carried out onsite, including preparation, placement, curing, and testing to ensure compliance with project specifications.

### 2. References

- Project Specifications
- Relevant Standards (e.g., ASTM, BS, ACI, EN)
- Approved Construction Drawings

### 3. Inspection Procedures

#### 1. Formwork Inspection:

- Check alignment, dimensions, and cleanliness.
- Verify formwork is adequately supported and braced.

#### 2. Reinforcement Inspection:

- Confirm correct bar diameter, spacing, and placement.
- Check for proper cover and tying of bars.

#### 3. Concrete Mix Verification:

- Ensure approved mix design is used.
- Check delivery tickets and batch details.

### 4. Testing Procedures

Test	Frequency	Acceptance Criteria	Remarks
Slump Test	Every truck or batch	As per specification	ASTM C143 / ACI
Temperature Check	Every truck or batch	< Specified limit	Before placement
Compressive Strength Test	1 set/50 m <sup>3</sup> (minimum)	Meets design strength	Cylinder/Cube samples
Air Content	As required	Within limits	For air-entrained concrete

### 5. Curing and Protection

- Begin curing immediately after final finishing.
- Maintain curing for the required period as per specification.
- Protect against extreme weather and damage.

### 6. Records and Documentation

- Maintain all test results and inspection reports.
- Submit documentation to relevant authorities for approval.

### 7. Attachments

- Sample Inspection Checklist
- Concrete Test Report Form
- Curing Record Sheet