

Ready-Mix Concrete Delivery and Placement Method Statement

1. Scope

This method statement outlines the procedure for the delivery and placement of ready-mix concrete for structural works at the project site.

2. Responsibilities

- **Site Engineer:** Supervision and inspection.
- **Foreman:** Workforce coordination.
- **Quality Control:** Sampling, testing, and verification.

3. Materials

- Ready-mix concrete in accordance with approved mix design.
- Admixtures as specified.

4. Equipment

- Concrete transit mixer trucks
- Concrete pump or chute
- Vibrators
- Hand tools (shovel, screed, trowel, etc.)

5. Procedure

1. Preparation:

- Verify formwork, reinforcement, and embedded items in place and clean.
- Ensure access and adequate workspace for delivery trucks and pumps.
- Confirm required resources and workforce are present.

2. Delivery:

- Concrete delivered to site by certified supplier.
- Check delivery ticket for compliance with approved mix.
- Perform slump test and temperature check.

3. Placement:

- Concrete discharged within 90 minutes of batching.
- Place concrete in layers not exceeding 500 mm in depth.
- Ensure continuous placing to avoid cold joints.

4. Compaction:

- Compact concrete with mechanical vibrators.
- Avoid over-vibration and segregation.

5. Finishing:

- Level and finish surfaces as per drawing/specification.

6. Curing:

- Begin curing as soon as possible after finishing.
- Use approved curing compound or wet covering method.

6. Safety

- All personnel equipped with PPE (helmet, gloves, boots, etc.).
- Safe access to work areas maintained at all times.
- Follow site safety and traffic rules for vehicle movement.

7. Quality Control

- Slump and temperature measured for each truck load.
- Test cubes taken as per specifications for compressive strength.
- Records maintained for all tests and deliveries.

8. Records

- Concrete delivery tickets
- Quality control test reports
- Daily activity log

9. Reference

- Project Specifications
- Approved Mix Design
- Relevant Codes and Standards (e.g, ASTM, BS EN)

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