

Method Statement for Erection of Bridge Girders

1. Scope

This method statement outlines the procedure for the safe erection of bridge girders as part of the bridge construction works.

2. References

- Project Specifications
- Contract Drawings
- Relevant Standards and Codes

3. Responsibilities

- Site Engineer: Supervise erection activities.
- Safety Officer: Ensure implementation of safety measures.
- Foreman: Coordinate workforce and equipment.

4. Resources

Equipment	Personnel	Materials
Crane(s)	Qualified Riggers	Girders
Slings & Shackles	Crane Operator	Bearing Pads
Manlift/Access Platforms	Site Engineers	Temporary Supports

5. Procedure

1. Survey and Preparation

- Verify alignment and elevations.
- Ensure site is clean and access is provided.
- Check bearing pads for correct placement.

2. Lifting Arrangement

- Inspect lifting tools and gears.
- Attach lifting slings and shackles to designed points.

3. Erection of Girders

- Lift girder slowly to avoid swinging.
- Move and position girder above bearing pads.
- Lower girder onto the supports carefully.

4. Alignment and Fixing

- Check girder alignment and level.
- Make necessary adjustments before releasing slings.

5. Removal of Lifting Equipment

- Detach lifting gear only after stability is confirmed.
- Inspect the girder for any damages.

6. Safety

- Only trained personnel to perform lifting operations.
- All workers to wear required PPE.
- Ensure communication between crane operator and rigging team.
- Maintain exclusion zone during lifting.

7. Quality Control

- Document inspection checks for level and alignment.
- Maintain records of lifting gear and tool certifications.

8. Attachments

- Inspection Checklists
- Risk Assessment
- Lifting Plan