

Scope of work (Inspection of Lifting Tackles)

Inspection of Lifting Tackles need to be carried out as per

S.No.	Type of Crane / Description	Reference standard	Remarks
1	Inspection of Steel WR Slings	IS 12735:1994	REFER – SECTION 5 OF INSPECTION CRITERIA
2	Inspection of Synthetic slings	ASME B30.9:2014 / IS 5175:1992	REFER - SECTION 9-5.9: INSPECTION, REMOVAL, AND REPAIR
3	Inspection of Chain Slings	ASME B30.9:2014 / IS 2760:1980	REFER SECTION 9-1.9: INSPECTION, REMOVAL, AND REPAIR
4	Inspection of Shackles (Bow and D shackles)	IS:6132 - 2009	REFER – SECTION 10 WORKMANSHIP
5	Inspection of Swivel Hoist Rings	IS:6132 - 2009	REFER – SECTION 10 WORKMANSHIP

Technical

1. The examination and testing should be carried out as per above standards
2. Certificates should be issued for good ones only.
3. Contractor should note down details of rejected slings and hand over details of rejected slings to M&S Cranes supervisor who is coordinating this activity.
4. All the equipment/methodology for testing shall be adopted on the basis of competency issued.
5. Testing procedure
 - Visual checking, Measurement of sizes with Vernier
 - Testing with dynamometer and chain pulley block as and when needed.
 - Magnifying glass usage.

Check List

- Broken wires, Condition of Core
- Kinking, Crushing, Bird caging, Corrosion, ..etc
- Damage of ferrules
- General condition of tackles
- Tying of metallic tags for lifting tackles (if necessary)
- Identification marks for each sling (if necessary)

General Terms

1. Test certificates issued should be valid for one year period
2. Contract shall be operated on unit rates only for each grouping of tackles
3. Contractor should provide all kinds of measuring, testing tools and general tools while carrying out inspection
4. Contractor must engage sufficient skilled personnel to carryout work in allotted time
5. Contractor has to meet Production in charges- collect and inspect tackles there itself.

Safety:

1. Contractor shall provide personnel protection equipment to all workmen and ensure proper usage at site work and should follow/comply BHEL safety dept. guidelines.