

SCOPE OF WORK:

- a. To carryout thorough Testing and examination of Hoists, Pressure vessels and Lifting tackles as per The Factories act, 1948 and M.P. Factories Rules, 1962.
- b. To issue report of examination of the lifting machines chains, ropes and lifting tackles under sub section 1 (a) iii of section 29 of the factories act 1948 and M.P. Factories rules 1962 should be submitted in form no.33 [Rule 61 (1)].
- c. To issue report of examination of pressure vessels should be submitted in form 9 under rule 67 of M.P. Factories rules 1962.
- d. Remove the old tag / painting and Display of the test/inspection information on every tested equipment by suitable tagging or painting by firm, which should be intact up to next due date.
- e. Calculate safe work load or safe working pressure, if it is not available on equipment.

B. GENERAL TERMS AND CONDITIONS:

- a. Firm shall be approved/ recognized with DIHS (Directorate of Industrial Health and Safety, Government of Madhya Pradesh) for carrying out testing and examination of Pressure vessels, Hoist and Lifting tackles as per The Factories act 1948 and MP factoriesRule-1962. (This should be supported by documentary evidence).
- b. The quantities given in the table are estimated. Actual quantities will be according to the availability and requirement and for such items the payment will be done on unit rate basis for the actual work carried out.
- c. There is possibility of increase or decrease of the equipment's by +/- 10 due to addition and deletion of equipment's from its intended use.
- d. Firm / contractor's person deputed for execution of this work shall have to wear required PPE kit, safety shoes and the industrial helmets etc. as and when required for the work and have to observe the general safety rules while execution of the work to prevent any accident. The firm shall arrange all the necessary safety equipment's.
- e. Testing report should be submitted by firm in triplicate within 20 days after work completion.
- f. Firm shall be responsible for any injury or damages or accident that may be caused to him /his person's or material's during execution of this work inside or outside the SPM premises.
- g. All above work will carry out independently throughout by the firm with firm's equipment's and man power.
- h. For hydro test, accessories and fitting will be arranged by party. Water as required for hydraulic testing shall be arranged by SPM, Narmadapuram.
- i. Firm has to engage requisite man power during above testing / examination work.
- j. As per Rules 67 (7) under section 31 of M.P .Factories rules 1962, the following frequency of test and examination to be done.

Every pressure vessel or plant in service shall be thoroughly examined by a competent person- Externally, once in every six months, Internally, once in every 12 months. If by reason of the pressure vessels, a thorough internal examination is not possible, this may be replaced by a hydrostatic test which shall be carried out once in every two year. Provided that for a pressure vessels cannot be frequently opened, the period of internal examination may be extended to four years; and Hydrostatically tested once in every four years: provided that in respect of pressure vessels or plant with thin walls such as sizing cylinder made of copper or any other non-ferrous metal periodic hydrostatic testing may be done every once in 4 years.

C. The schedule of testing of the equipments is as follows:

- 1 Pressure vessels rag boiler external-6 months
- 2 Pressure vessels rag boiler internal-12 months
- 3 Air receivers- External - 6 months
- 4 Drying cylinder External-6 months
- 5 Drying cylinder Internal-12 months
- 6 Hydraulic Test of pressure vessels-12 months
- 7 Calendar elevating platform- 6 months
- 8 Lift-6 months
- 9 Hydraulic lift-6 months
- 10 Scissors lift-6 months
- 11 EOT Crane-12 months
- 12 Electric Hoist-12 months
- 13 Gantry-12 months
- 14 Mobile Jib Crane- 12 months
- 15 Pallet truck-12 months
- 16 Mobile Vertical Lift-6 months
- 17 Fork Lifter-6 months
- 18 Chain Pulley block-12 months
- 19 Stacker-6 months
- 20 Sling-6 months
- 21 Wire rope- 12 months
- 22 Lifting Balancer-12 months
- 23 Lifting Straight Beam-12 months
- 24 D- Shackle-12 months
- 25 Testing & due date writing/painting-6 months