

Construction Safety Guidelines No. 27

Hoists (Man & Material)

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| <p>CONSTRUCTION / ANCHORING WITH MAIN STRUCTURE</p> <ul style="list-style-type: none"> Hoist shall be of sound construction & adequate strength. Use the hoist for the purpose of which it is designed (for man or material). Tie the hoist mast to the permanent structure at locations recommended by the manufacturer. Provide complete railing on the sides of the floor when cage is stopped on that floor. | <p>TEST CERTIFICATES</p> <ul style="list-style-type: none"> Test the hoist through an EHS approved third party at an interval not exceeding six monthly. Retest the hoist when relocated, modified or extended up to the higher floors. Display SWL & maximum number of persons allowed in the hoist cage. Also display the operator's training certificate. Do not overload the cage (either with persons or materials). | <p>SAFETY NOTICES / RULES</p> <ul style="list-style-type: none"> Display safety notices / instructions & emergency contact numbers in languages easily understood by the operators. Follow safety instructions in case of an emergency Defective hoists shall not be used and 'DO NOT USE' board shall be displayed until defect is rectified. Barricade the area around the hoist at the ground level to prevent unauthorized access and crushing injuries. |
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| <p>EMERGENCY STOP BUTTON / LIMIT SWITCHES</p> <ul style="list-style-type: none"> Provide & maintain upper and lower level limit switches as per the owner's manual. Make sure that the hoist cage can not be moved or operated unless the hoist gate is closed. Provide emergency stop button in the hoist cage. Provide appropriate type of fire extinguisher in the cage. | <p>TRAINING / USE OF PPES</p> <ul style="list-style-type: none"> Always employ competent & trained operators for operating the hoist. Impart tool-box talk to all users of the hoist & maintain records. Provide & make sure that people wear adequate personal protective equipment at all times. | <p>FLOOR GATE / MAINTENANCE</p> <ul style="list-style-type: none"> Provide gate on each landing floor or wherever the hoist is made to stop. Inspect every hoist weekly & keep records of maintenance. Ensure that the gap between the floor and the hoist cage is closed adequately. Provide safe access – egress to the hoist all the time. |