**Inspection / Survey Check Sheet & Register**

**For**

**Lifting Equipment**

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| **INSPECTION / SURVEY CHECK SHEET & REGISTER FOR LIFTING EQUIPMENT** | | | |
| **Issue No.: 01** | **Rev. No: 00** | **Date:** |  |

# INSPECTION CHECKLIST – LIFTING EQUIPMENT

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| **INSPECTION CHECK LIST FOR HYDRA (PRE ENTRY & PERIODIC)** | | | | | | | | | | |
| **Issue No.: 01** | **Rev. No: 00** | | | **Date:** | | | | **Form No – LM01** | | |
| **INSPECTION CHECK LIST FOR HYDRA (PRE ENTRY & PERIODIC)** | | | | | | | | | | | | | |
| **Plant / Agency** | |  | | | | **Equipment Number** | | | |  | | | |
| **Department - Section** | |  | | | | **Identification Marking** | | | |  | | | |
| **HOD (Name)** | |  | | | | **T.P. Certificate No** | | | |  | | | |
| **Location of Inspection** | |  | | | | **Date of T.P. Inspection** | | | |  | | | |
| **Inspection Frequency** | |  | | | | **S.W.L. (Marked)** | | | |  | | | |
| **CHECK ITEMS** | | | | | | | | | | | | | |
| **Sr. No** | **DESCRIPTION** | | | | **Dates of Inspection** | | | | | | | | |
|  |  | |  |  |  | |  |  |
| 1 | Is SWL Marked on Hydra & Anchoring Hooks on boom? | | | |  |  | |  |  |  | |  |  |
| 2 | Is Safety Latch in Hook is provided and Hook is without damage? | | | |  |  | |  |  |  | |  |  |
| 3 | Is Hoist limit switch and Plate provided? | | | |  |  | |  |  |  | |  |  |
| 4 | Is Wire rope free from tolerable Damage? (Kinked, Wear, Broken wire more than 10% etc.) | | | |  |  | |  |  |  | |  |  |
| 5 | Is Load - Wire rope & other parts are well Lubricated? | | | |  |  | |  |  |  | |  |  |
| 6 | Any Oil Leakage from Hydraulic parts (Piston drums)? | | | |  |  | |  |  |  | |  |  |
| 7 | Is any Damage in Tires (Crack, Cut, air pressure etc.) | | | |  |  | |  |  |  | |  |  |
| 8 | Are Head Lights & Rear Lights in good condition? | | | |  |  | |  |  |  | |  |  |
| 9 | Is Front Horn in working Condition? | | | |  |  | |  |  |  | |  |  |
| 10 | Is Reverse Horn provided and in working condition? | | | |  |  | |  |  |  | |  |  |

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| **INSPECTION CHECK LIST FOR HYDRA (PRE ENTRY & PERIODIC)** | | | |
| **Issue No.: 01** | **Rev. No: 00** | **Date:** | **Form No – LM01** |

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| **CHECK ITEMS** | | | | | | | | |
| **S** | **DESCRIPTION** | **Dates of Inspection** | | | | | | |
|  |  |  |  |  |  |  |
| 11 | Is Boom structure in good condition while full expansion? (Free from Damage, Crack or Jam). |  |  |  |  |  |  |  |
| 12 | Are Brakes in good condition? |  |  |  |  |  |  |  |
| 13 | Are Travelling, Steering, Braking, Motions (in both directions) satisfactory? |  |  |  |  |  |  |  |
| 14 | Is Load Chart Displayed in Operator Cabin? Load at the appropriate radius.(Max & Min radii) |  |  |  |  |  |  |  |
| 15 | Are Operating Instruction and Warning Signs Displayed? |  |  |  |  |  |  |  |
| 16 | Is Fire Extinguisher provided in Operator Cabin? |  |  |  |  |  |  |  |
| 17 | Is Operator having Valid Driving License? (Heavy duty) |  |  |  |  |  |  |  |
| 18 | Is Hydra having Valid RTO Fitness? |  |  |  |  |  |  |  |
| 19 | Is Stability of Hydra satisfied? |  |  |  |  |  |  |  |
| 20 | Is Hydra SUITABLE for Use at site? (Fitness) |  |  |  |  |  |  |  |
| 21 | Others (If any) |  |  |  |  |  |  |  |

### Remarks:

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| **SN** | **Observations** |
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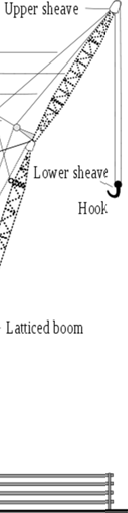
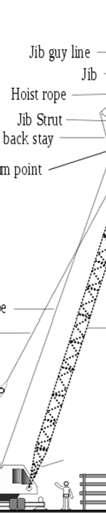
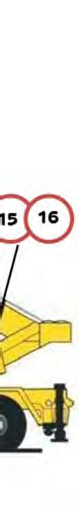
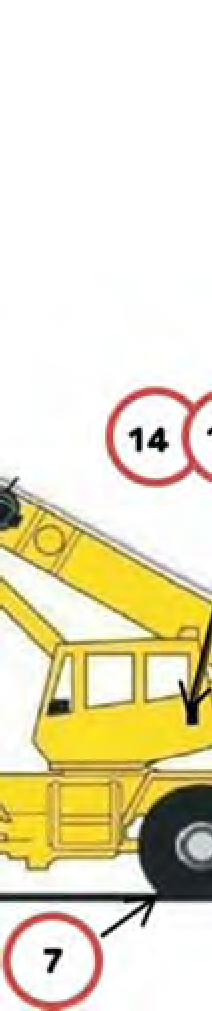
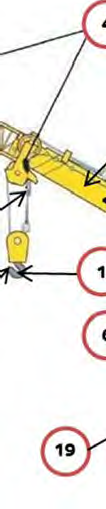
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| **INSPECTION CHECK LIST FOR MOBILE CRANE (PRE ENTRY & PERIODIC)** | | | | | | | | | | |
| **Issue No.: 01** | **Rev. No: 00** | | | **Date:** | | | | **Form No – LM02** | | |
| **INSPECTION CHECK LIST FOR MOBILE CRANE (PRE ENTRY & PERIODIC)** | | | | | | | | | | | | | |
| **Plant / Agency** | |  | | | | **Equipment Number** | | | |  | | | |
| **Department - Section** | |  | | | | **Identification Marking** | | | |  | | | |
| **H D (Name)** | |  | | | | **T.P. Certificate No** | | | |  | | | |
| **Location of Inspection** | |  | | | | **Date of .P. Inspection** | | | |  | | | |
| **In pection Frequency** | |  | | | | **S.W.L. ( arked)** | | | |  | | | |
| **CHECK ITEMS** | | | | | | | | | | | | | |
| **Sr. No** | **DESCRIPTION** | | | | **Dates of Inspection** | | | | | | | | |
|  |  | |  |  |  | |  |  |
| 1 | Is SWL arked on Cr ne & Anchoring Hooks o boom? | | | |  |  | |  |  |  | |  |  |
| 2 | Is Safety Latch in Ho k is provide and Hook is without damage? | | | |  |  | |  |  |  | |  |  |
| 3 | Is Hoist limit switch and Plate provided? | | | |  |  | |  |  |  | |  |  |
| 4 | Is Wire r pe free fro tolerable D mage? (Kinked, Wear, Broke wire more than 10% etc.) | | | |  |  | |  |  |  | |  |  |
| 5 | Is Load - Wire ro e & other parts are well Lubricated? | | | |  |  | |  |  |  | |  |  |
| 6 | Any Oil Leakage from Hydraulic p rts (Piston drums)? | | | |  |  | |  |  |  | |  |  |
| 7 | Is any Damage in Tires (Crack, Cut, air pressure etc.) | | | |  |  | |  |  |  | |  |  |
| 8 | Are Hea Lights & Rear Lights in good condition? | | | |  |  | |  |  |  | |  |  |
| 9 | Is Front Horn in working Conditio ? | | | |  |  | |  |  |  | |  |  |
| 10 | Is Reverse Horn provided and in wo king condition? | | | |  |  | |  |  |  | |  |  |

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| **INSPECTION CHECK LIST FOR MOBILE CRANE (PRE ENTRY & PERIODIC)** | | | |
| **Issue No.: 01** | **Rev. No: 00** | **Date:** | **Form No – LM02** |

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| **CHECK ITEMS** | | | | | | | | |
| **Sr. No** | **DESCRIPTION** | **Dates of Inspection** | | | | | | |
|  |  |  |  |  |  |  |
| 11 | Is Boom structure in good condition while full expansion? (Free from Damage, Crack or Jam). |  |  |  |  |  |  |  |
| 12 | Are Brakes in good condition? |  |  |  |  |  |  |  |
| 13 | Are Travelling, Steering, Braking, Motions (in both directions) satisfactory? |  |  |  |  |  |  |  |
| 14 | Is Load Chart Displayed in Operator Cabin? Load at the appropriate radius.(Max & Min radii) |  |  |  |  |  |  |  |
| 15 | Are Operating Instruction and Warning Signs Displayed? |  |  |  |  |  |  |  |
| 16 | Is Fire Extinguisher provided in Operator Cabin? |  |  |  |  |  |  |  |
| 17 | Is Operator having Valid Driving License? (Heavy duty) |  |  |  |  |  |  |  |
| 18 | Is Crane having Valid RTO Fitness? |  |  |  |  |  |  |  |
| 19 | Is Stability of Crane satisfied? |  |  |  |  |  |  |  |
| 20 | Is Crane SUITABLE for Use at site? (Fitness) |  |  |  |  |  |  |  |
| 21 | Others (If any) |  |  |  |  |  |  |  |

**Remarks:**

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| **SN** | **Observations** |
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| **INSPECTION CHECK LIST FOR GANTRY CRANE** | | | | | | | | | | |
| **Issue No.: 01** | **Rev. No: 00** | | | **Date:** | | | | **Form No – LM03** | | |
| **INSPECTION CHECK LIST FOR GANTRY CRANE** | | | | | | | | | | | | |
| **Plant / Agency** | |  | | | **Equipment Number** | | | |  | | | |
| **Department - Section** | |  | | | **Identification Marking** | | | |  | | | |
| **HOD (Name)** | |  | | | **T.P. Certificate No** | | | |  | | | |
| **Location of Inspection** | |  | | | **Date of T.P. Inspection** | | | |  | | | |
| **Inspection Frequency** | |  | | | **S.W.L. (Marked)** | | | |  | | | |
| **CHECK ITEMS** | | | | | | | | | | | | |
| **Sr. No** | **DESCRIPTION** | | | **Dates of Inspection** | | | | | | | | |
|  |  | |  |  |  | |  |  |
| 1 | Is SWL marked on Gantry Crane?  Is SWL painted at the load anchoring Hook? | | |  |  | |  |  |  | |  |  |
| 2 | Is Safety Latch in Hook provided? | | |  |  | |  |  |  | |  |  |
| 3 | Is Limit switches provided for Hoisting? If so, is it working? | | |  |  | |  |  |  | |  |  |
| 4 | Are Proper Hoisting and Lowering movement of the Hook? (Test shall be carried out at Max) | | |  |  | |  |  |  | |  |  |
| 5 | Is Proper Long travel & Cross travel Movements? (to be checked) | | |  |  | |  |  |  | |  |  |
| 6 | Are all Breaks in Operating Condition and working properly? | | |  |  | |  |  |  | |  |  |
| 7 | Are Electrical Power Supply cables laid over head along tracks? | | |  |  | |  |  |  | |  |  |
| 8 | Wire rope conditions Checked?  (Free from tolerable damage - No kinks, broken wires more than 10% is N.G). | | |  |  | |  |  |  | |  |  |
| 9 | Is any abnormal sound or vibration in running condition? | | |  |  | |  |  |  | |  |  |
| 10 | Are all rotating parts like gears etc. guarded effectively? | | |  |  | |  |  |  | |  |  |
| 11 | Are all gearboxes beings lubricated properly? | | |  |  | |  |  |  | |  |  |
| 12 | Are Gantry Crane Brakes in good condition? | | |  |  | |  |  |  | |  |  |

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| **INSPECTION CHECK LIST FOR GANTRY CRANE** | | | | | | | | | | |
| **Issue No.: 01** | **Rev. No: 00** | | | **Date:** | | | | **Form No – LM03** | | |
| **CHECK ITEMS** | | | | | | | | | | | | |
| **Sr. No** | **DESCRIPTION** | | | **Dates of Inspection** | | | | | | | | |
|  |  | |  |  |  | |  |  |
| 13 | Is Gantry Crane having Valid Third Party fitness? Over load test was done?  (1.25 times the working load at the appropriate) | | |  |  | |  |  |  | |  |  |
| 14 | Is Proper General cleanliness conditions at workplace? | | |  |  | |  |  |  | |  |  |
| 15 | Is Stability of Gantry Crane satisfied? (Margin of stability) | | |  |  | |  |  |  | |  |  |
| 16 | Is Gantry Crane suitable for use at site? (Fitness) | | |  |  | |  |  |  | |  |  |
| 17 | Others (If any) | | |  |  | |  |  |  | |  |  |
| 18 | Others (If any) | | |  |  | |  |  |  | |  |  |
| 19 | Others (If any) | | |  |  | |  |  |  | |  |  |
| 20 | Others (If any) | | |  |  | |  |  |  | |  |  |

### Remarks:

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| **SN** | **Observations** |
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| **Checked by** | **Name** |  |  |  |  |  |  |  |
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| **INSPECTION CHECK LIST FOR ELECTRICALLY OPERATED HOIST** | | | | | | | | | | |
| **Issue No.: 01** | **Rev. No: 00** | | | **Date:** | | | | **Form No – LM04** | | |
| **INSPECTION CHECK LIST FOR ELECTRICALLY OPERATED HOIST** | | | | | | | | | | | | |
| **Plant / Agency** | |  | | | **Equipment Number** | | | |  | | | |
| **Department - Section** | |  | | | **Identification Marking** | | | |  | | | |
| **HOD (Name)** | |  | | | **T.P. Certificate No** | | | |  | | | |
| **Location of Inspection** | |  | | | **Date of T.P. Inspection** | | | |  | | | |
| **Inspection Frequency** | |  | | | **S.W.L. (Marked)** | | | |  | | | |
| **CHECK ITEMS** | | | | | | | | | | | | |
| **Sr. No** | **DESCRIPTION** | | | **Dates of Inspection** | | | | | | | | |
|  |  | |  |  |  | |  |  |
| 1 | Is HOIST Identified & Numbered? | | |  |  | |  |  |  | |  |  |
| 2 | Is SWL Marked on Hoist & Hooks? | | |  |  | |  |  |  | |  |  |
| 3 | Is Safety Latch in Hook provided / Hook Damaged? | | |  |  | |  |  |  | |  |  |
| 4 | Is Wire rope free from tolerable Damage? (Kinked, Wear, Broken wire more than 10% etc.). | | |  |  | |  |  |  | |  |  |
| 5 | Are Load - Wire rope & other parts well Lubricated? | | |  |  | |  |  |  | |  |  |
| 6 | Are Hoist limit switch and Plate provided? | | |  |  | |  |  |  | |  |  |
| 7 | Is Long travel & Cross travel proper? | | |  |  | |  |  |  | |  |  |
| 8 | Are Rail Poles / Wheels Damaged? – Crack etc. (If provided) | | |  |  | |  |  |  | |  |  |
| 9 | Are End Stoppers provided/ damaged? | | |  |  | |  |  |  | |  |  |
| 10 | Is Electrical ON / OFF Isolation panel proper? | | |  |  | |  |  |  | |  |  |
| 11 | Is Emergency STOP Push Button functioning? | | |  |  | |  |  |  | |  |  |
| 12 | Are Defaced (Operation) Making on control panel? | | |  |  | |  |  |  | |  |  |

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| **INSPECTION CHECK LIST FOR GANTRY CRANE** | | | | | | | | | | |
| **Issue No.: 01** | **Rev. No: 00** | | | **Date:** | | | | **Form No – LM04** | | |
| **CHECK ITEMS** | | | | | | | | | | | | |
| **Sr. No** | **DESCRIPTION** | | | **Dates of Inspection** | | | | | | | | |
|  |  | |  |  |  | |  |  |
| 13 | Are Control functions functioning? | | |  |  | |  |  |  | |  |  |
| 14 | Is Hoist Operation with Unusual Noise & Jerky Motion? | | |  |  | |  |  |  | |  |  |
| 15 | Is Approach to Operator Cabin proper? (If cabin) | | |  |  | |  |  |  | |  |  |
| 16 | Are Operating Instruction and Warning Signs Displayed? | | |  |  | |  |  |  | |  |  |
| 17 | Is Fire Extinguisher provided in Operator Cabin? | | |  |  | |  |  |  | |  |  |
| 18 | Is Load lifting work place free from obstruction? | | |  |  | |  |  |  | |  |  |
| 19 | Is Load and Hook left suspended? | | |  |  | |  |  |  | |  |  |
| 20 | Is HOIST having Valid Third Party fitness? | | |  |  | |  |  |  | |  |  |
| 21 | Is Stability of Gantry Crane satisfied? | | |  |  | |  |  |  | |  |  |
| 22 | Is HOIST SUITABLE for Use at site? | | |  |  | |  |  |  | |  |  |
| 23 | Others (If any) | | |  |  | |  |  |  | |  |  |
| 24 | Others (If any) | | |  |  | |  |  |  | |  |  |

**Remarks:**

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| **SN** | **Observations** |
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| **Checked by** | **Name** |  |  |  |  |  |  |  |
| **Signature** |  |  |  |  |  |  |  |

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| **INSPECTION CHECK LIST FOR CHAIN PULLEY BLOCK** | | | | | | | | | | |
| **Issue No.: 01** | **Rev. No: 00** | | | **Date:** | | | | **Form No – LM05** | | |
| **INSPECTION CHECK LIST FOR CHAIN PULLEY BLOCK** | | | | | | | | | | | | |
| **Plant / Agency** | |  | | | **Equipment Number** | | | |  | | | |
| **Department - Section** | |  | | | **Identification Marking** | | | |  | | | |
| **HOD (Name)** | |  | | | **T.P. Certificate No** | | | |  | | | |
| **Location of Inspection** | |  | | | **Date of T.P. Inspection** | | | |  | | | |
| **Inspection Frequency** | |  | | | **S.W.L. (Marked)** | | | |  | | | |
| **CHECK ITEMS** | | | | | | | | | | | | |
| **Sr. No** | **DESCRIPTION** | | | **Dates of Inspection** | | | | | | | | |
|  |  | |  |  |  | |  |  |
| 1 | Is SWL marked on the Chain Pulley Block? | | |  |  | |  |  |  | |  |  |
| 2 | Is Hook available in good condition? | | |  |  | |  |  |  | |  |  |
| 3 | Is Hook with Safety Latch provided? | | |  |  | |  |  |  | |  |  |
| 4 | Is SWL marked on the anchoring Hook? | | |  |  | |  |  |  | |  |  |
| 5 | Is CPB properly lubricated? | | |  |  | |  |  |  | |  |  |
| 6 | Is CPB operated freely and chain should not come out of pulleys? | | |  |  | |  |  |  | |  |  |
| 7 | Is Chain Pulley Block anchored properly? | | |  |  | |  |  |  | |  |  |
| 8 | Is Condition of Hand Wheel Chain & Load Chain  proper? (Any Knot, Physical Damage – Worn, Crack, Stretch, corroded, Twisted, bent etc.) | | |  |  | |  |  |  | |  |  |
| 9 | Is there any abnormal sound while lifting the load? | | |  |  | |  |  |  | |  |  |
| 10 | Is there any slippage of load while CPB is being loaded or unloaded? | | |  |  | |  |  |  | |  |  |

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| **INSPECTION CHECK LIST FOR CHAIN PULLEY BLOCK** | | | | | | | | | | |
| **Issue No.: 01** | **Rev. No: 00** | | | **Date:** | | | | **Form No – LM05** | | |
| **CHECK ITEMS** | | | | | | | | | | | | |
| **Sr. No** | **DESCRIPTION** | | | **Dates of Inspection** | | | | | | | | |
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| 11 | Is Colour coding for the current year painted? | | |  |  | |  |  |  | |  |  |
| 12 | Is Third Party (TP) Test certificate available? | | |  |  | |  |  |  | |  |  |
| 13 | Others (If any) | | |  |  | |  |  |  | |  |  |
| 14 | Others (If any) | | |  |  | |  |  |  | |  |  |
| 15 | Others (If any) | | |  |  | |  |  |  | |  |  |

### Remarks:

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| **SN** | **Observations** |
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| **INSPECTION CHECK LIST FOR PULL LIFT** | | | | | | | | | | |
| **Issue No.: 01** | **Rev. No: 00** | | | **Date:** | | | | **Form No – LM06** | | |
| **INSPECTION CHECK LIST FOR PULL LIFT** | | | | | | | | | | | | |
| **Plant / Agency** | |  | | | **Equipment Number** | | | |  | | | |
| **Department - Section** | |  | | | **Identification Marking** | | | |  | | | |
| **HOD (Name)** | |  | | | **T.P. Certificate No** | | | |  | | | |
| **Location of Inspection** | |  | | | **Date of T.P. Inspection** | | | |  | | | |
| **Inspection Frequency** | |  | | | **S.W.L. (Marked)** | | | |  | | | |
| **CHECK ITEMS** | | | | | | | | | | | | |
| **Sr. No** | **DESCRIPTION** | | | **Dates of Inspection** | | | | | | | | |
|  |  | |  |  |  | |  |  |
| 1 | Is SWL (Pull – Lift) marked on the Pull Lift? | | |  |  | |  |  |  | |  |  |
| 2 | Whether Hook is available in good condition? | | |  |  | |  |  |  | |  |  |
| 3 | Is Hook Safety Latch provided? | | |  |  | |  |  |  | |  |  |
| 4 | Is SWL marked on the anchoring Hook? | | |  |  | |  |  |  | |  |  |
| 5 | Is it properly lubricated? | | |  |  | |  |  |  | |  |  |
| 6 | Is it operated freely and chain should not come out of pulleys? | | |  |  | |  |  |  | |  |  |
| 7 | Is Pull Lift anchored properly? | | |  |  | |  |  |  | |  |  |
| 8 | Is Condition of Hand Wheel Chain & Load Chain  proper? (Any Knot, Physical Damage – Worn, Crack, Stretch, corroded, Twisted, bent etc.) | | |  |  | |  |  |  | |  |  |
| 9 | Is there any abnormal sound while lifting the load? | | |  |  | |  |  |  | |  |  |
| 10 | Is there any slippage of load while CPB is being loaded or unloaded? | | |  |  | |  |  |  | |  |  |

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| **INSPECTION CHECK LIST FOR PULL LIFT** | | | | | | | | | | |
| **Issue No.: 01** | **Rev. No: 00** | | | **Date:** | | | | **Form No – LM06** | | |
| **CHECK ITEMS** | | | | | | | | | | | | |
| **Sr. No** | **DESCRIPTION** | | | **Dates of Inspection** | | | | | | | | |
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| 11 | Is Colour coding for the current year painted? | | |  |  | |  |  |  | |  |  |
| 12 | Is Third Party (TP) Test certificate available? | | |  |  | |  |  |  | |  |  |
| 13 | Others (If any) | | |  |  | |  |  |  | |  |  |
| 14 | Others (If any) | | |  |  | |  |  |  | |  |  |
| 15 | Others (If any) | | |  |  | |  |  |  | |  |  |

**Remarks:**

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| **INSPECTION CHECK LIST FOR WINCH MACHINE** | | | | | | | | | | |
| **Issue No.: 01** | **Rev. No: 00** | | | **Date:** | | | | **Form No – LM07** | | |
| **INSPECTION CHECK LIST FOR WINCH MACHINE** | | | | | | | | | | | | |
| **Plant / Agency** | |  | | | **Equipment Number** | | | |  | | | |
| **Department - Section** | |  | | | **Identification Marking** | | | |  | | | |
| **HOD (Name)** | |  | | | **T.P. Certificate No** | | | |  | | | |
| **Location of Inspection** | |  | | | **Date of T.P. Inspection** | | | |  | | | |
| **Inspection Frequency** | |  | | | **S.W.L. (Marked)** | | | |  | | | |
| **CHECK ITEMS** | | | | | | | | | | | | |
| **Sr. No** | **DESCRIPTION** | | | **Dates of Inspection** | | | | | | | | |
|  |  | |  |  |  | |  |  |
| 1 | Has Winch been certified in last 12 months? | | |  |  | |  |  |  | |  |  |
| 2 | Are Brakes are adequately rated for SWL? | | |  |  | |  |  |  | |  |  |
| 3 | Do Brakes auto apply on loss of power? | | |  |  | |  |  |  | |  |  |
| 4 | Is a warning displayed to check fail safe brake application before using? | | |  |  | |  |  |  | |  |  |
| 5 | Have All the Brakes been serviced in last 3 months? | | |  |  | |  |  |  | |  |  |
| 6 | Power cable used is of correct type and size for Winch? | | |  |  | |  |  |  | |  |  |
| 7 | Power cable is properly terminated and Winch is effectively earthed? | | |  |  | |  |  |  | |  |  |
| 8 | Is ELCB provided for Emergency trip? | | |  |  | |  |  |  | |  |  |
| 9 | Are Limit Switch protections provided for Over travel etc. trip? | | |  |  | |  |  |  | |  |  |
| 10 | Wire rope / slings etc. used are in good condition, tagged, & certified? | | |  |  | |  |  |  | |  |  |
| 11 | Wire rope used in Winch is properly Lubricated? | | |  |  | |  |  |  | |  |  |
| 12 | Do 5 turns of Wire rope remain on drum when Hook is in contact with the ground? | | |  |  | |  |  |  | |  |  |

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| **INSPECTION CHECK LIST FOR WINCH MACHINE** | | | |
| **Issue No.: 01** | **Rev. No: 00** | **Date:** | **Form No – LM07** |

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| **CHECK ITEMS** | | | | | | | | |
| **Sr. No** | **DESCRIPTION** | **Dates of Inspection** | | | | | | |
|  |  |  |  |  |  |  |
| 13 | Is the Hook in good condition (Including Swivel, safety latch)? |  |  |  |  |  |  |  |
| 14 | Is the Hook rating adequate for SWL? |  |  |  |  |  |  |  |
| 15 | Are Sheaves Pulleys in good condition? |  |  |  |  |  |  |  |
| 16 | Is all the safety guards installed properly on rotating parts of Winch? |  |  |  |  |  |  |  |
| 17 | Are Other parts of Winch (Gear Box, Bearing) Checked properly and Preventive Maintenance  record maintained? |  |  |  |  |  |  |  |
| 18 | Is Winch Mounted with adequate strength to sustain SWL of winch? |  |  |  |  |  |  |  |
| 19 | Is Wire rope installed for winch is on safe route and without any obstruction or rubbing? |  |  |  |  |  |  |  |
| 20 | Do operating levers return to neutral position when released? |  |  |  |  |  |  |  |
| 21 | Are operating levers clearly labelled? |  |  |  |  |  |  |  |
| 22 | Is effective communication system established? |  |  |  |  |  |  |  |
| 23 | Is Canopy provided for weather protection for Winch Operations? |  |  |  |  |  |  |  |
| 24 | Is operator qualified & have knowledgeable on Winch Operations? |  |  |  |  |  |  |  |
| 25 | Others (If any) |  |  |  |  |  |  |  |

### Remarks:

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| **SN** | **Observations** |
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| **Checked by** | **Name** |  |  |  |  |  |  |  |
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| **INSPECTION CHECK LIST FOR LIFTING TACKLE – HOOK** | | | | | | | | | | |
| **Issue No.: 01** | **Rev. No: 00** | | | **Date:** | | | | **Form No – LM08** | | |
| **INSPECTION CHECK LIST FOR LIFTING TACKLE - HOOK** | | | | | | | | | | | | |
| **Plant / Agency** | |  | | | **Equipment Number** | | | |  | | | |
| **Department - Section** | |  | | | **Identification Marking** | | | |  | | | |
| **HOD (Name)** | |  | | | **T.P. Certificate No** | | | |  | | | |
| **Location of Inspection** | |  | | | **Date of T.P. Inspection** | | | |  | | | |
| **Inspection Frequency** | |  | | | **S.W.L. (Marked)** | | | |  | | | |
| **CHECK ITEMS** | | | | | | | | | | | | |
| **Sr. No** | **DESCRIPTION** | | | **Dates of Inspection** | | | | | | | | |
|  |  | |  |  |  | |  |  |
| 1 | Is SWL marked? | | |  |  | |  |  |  | |  |  |
| 2 | Is there any Physical Damage in Hook?  (Wear / Crack / Corrosion Reduction more than 10%) | | |  |  | |  |  |  | |  |  |
| 3 | Is there any Physical Deformation in Hook?  (Elongation / Spread / Twist more than 10 degree) | | |  |  | |  |  |  | |  |  |
| 4 | Is Hook safety latch with the spring provided /  properly positioned? | | |  |  | |  |  |  | |  |  |
| 5 | Is Throat Opening not more than 15% or 1/5th  of the original dimension of the Hook? | | |  |  | |  |  |  | |  |  |
| 6 | Is there any Jam in Hook movement? –  (Swivel Hook rotates freely). | | |  |  | |  |  |  | |  |  |
| 7 | Is Colour coding for the current year painted? | | |  |  | |  |  |  | |  |  |
| 8 | Is Third Party (TP) Test certificate available? | | |  |  | |  |  |  | |  |  |
| 9 | Any Other | | |  |  | |  |  |  | |  |  |

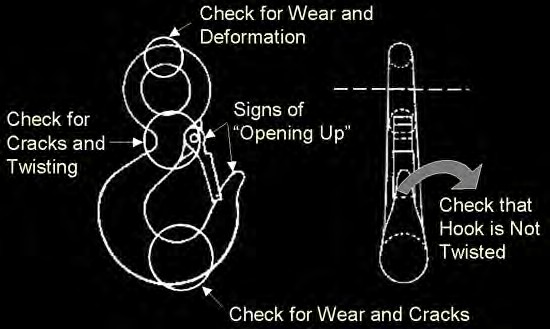
**Remarks:**

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| **SN** | **Observations** |
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| **INSPECTION CHECK LIST FOR LIFTING TACKLE – HOOK** | | | |
| **Issue No.: 01** | **Rev. No: 00** | **Date:** | **Form No – LM08** |

**HOOK INSPECTION GUIDELINE**



**Deformation** Any bending or twisting exceeding 10 degrees from the plane of the unbent hook, unless otherwise directed by the hook manufacturer

**Throat Opening** Any distortion causing an increase in throat opening exceeding 15 % or as otherwise directed by the hook manufacturer

**Wear** Any wear exceeding 10 % of the original section dimension of the hook or its load pin or as otherwise directed by the hook manufacturer

**Cracks** Any visible crack (in case of any doubt replace it or check with DP test / NDT test)

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| **INSPECTION CHECK LIST FOR LIFTING TACKLE - SHACKLE** | | | | | | | | | | |
| **Issue No.: 01** | **Rev. No: 00** | | | **Date** | | | | **Form No – LM09** | | |
| **INSPECTION CHECK LIST FOR LIFTING TACKLE – SHACKL (BOW & DEE)** | | | | | | | | | | | | |
| **Plant / Agency** | |  | | | **Equipment Number** | | | |  | | | |
| **Department - Section** | |  | | | **Identification Marking** | | | |  | | | |
| **HOD (Name)** | |  | | | **T.P. Certificate No** | | | |  | | | |
| **Location of Inspection** | |  | | | **Date of T.P. Inspection** | | | |  | | | |
| **Inspection Frequency** | |  | | | **S.W.L. (Marked)** | | | |  | | | |
| **CHECK ITEMS** | | | | | | | | | | | | |
| **Sr. No** | **DESCRIPTION** | | | **Dates of Inspection** | | | | | | | | |
|  |  | |  |  |  | |  |  |
| 1 | Is SWL marked? | | |  |  | |  |  |  | |  |  |
| 2 | Is there any Physical Damage in Shackle?  (Wear / Crack / Corrosion Reduction more than 10%) | | |  |  | |  |  |  | |  |  |
| 3 | Is there any Physical Deformation of Shackle?  (Elongation / Spread / Twist) | | |  |  | |  |  |  | |  |  |
| 4 | Is Safety Screw Lock pin straight?  (Wear more than 10 %.) | | |  |  | |  |  |  | |  |  |
| 5 | Is Safety Screw Lock pin seated properly in  positioned? | | |  |  | |  |  |  | |  |  |
| 6 | Is Shackle Throat not Opening up? | | |  |  | |  |  |  | |  |  |
| 7 | Is Colour coding for the current year painted? | | |  |  | |  |  |  | |  |  |
| 8 | Is Third Party (TP) Test certificate available? | | |  |  | |  |  |  | |  |  |
| 9 | Any Other | | |  |  | |  |  |  | |  |  |

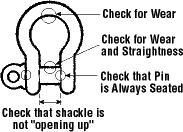
**Remarks:**

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| **SN** | **Observations** |
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| **Checked by** | **Name** |  |  |  |  |  |  |  |
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| **INSPECTION CHECK LIST FOR LIFTING TACKLE - SHACKLE** | | | |
| **Issue No.: 01** | **Rev. No: 00** | **Date:** | **Form No – LM09** |

## DEE OR BOW– SHACKLE INSPECTION GUIDELINE



**Deformation** Any bending or twisting from the plane of the unbent shackle, unless otherwise directed by the shackle manufacturer

**Throat Opening** Any distortion causing an increase in (pin throat width) opening exceeding 15 % or as otherwise directed by the shackle manufacturer

**Pin Sealing** All pins must be straight and all screw pins must be completely seated. Cotter pins must be used with all round pin shackles

**Wear** Any wear exceeding 10 % of the original dimension of crown or the pin of the shackles or as otherwise directed by the shackle manufacturer

**Cracks** Any visible crack (in case of any doubt replace or check with DP test / NDT test)

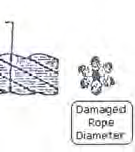
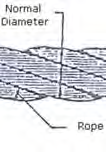
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| **INSPECTION CHECK LIST FOR LIFTING TACKLE - WIRE ROPE SLING** | | | | | | | | | | |
| **Issue No.: 01** | **Rev. No: 00** | | | **Date:** | | | | **Form No – LM10** | | |
| **INSPECTION CHECK LIST FOR LIFTING TACKLE - WIRE ROPE SLING** | | | | | | | | | | | | |
| **Plant / Agency** | |  | | | **Equipment Number** | | | |  | | | |
| **Department - Section** | |  | | | **Identification Marking** | | | |  | | | |
| **HOD (Name)** | |  | | | **T.P. Certificate No** | | | |  | | | |
| **Location of Inspection** | |  | | | **Date of T.P. Inspection** | | | |  | | | |
| **Inspection Frequency** | |  | | | **S.W.L. (Marked)** | | | |  | | | |
| **CHECK ITEMS** | | | | | | | | | | | | |
| **Sr. No** | **DESCRIPTION** | | | **Dates of Inspection** | | | | | | | | |
|  |  | |  |  |  | |  |  |
| 1 | Is SWL marked on Wire rope Sling? | | |  |  | |  |  |  | |  |  |
| 2 | Is Physical Damage - Broken wires in Wire rope? | | |  |  | |  |  |  | |  |  |
| 3 | Is Physical Damage - Crack / Worn / Corrosion in  Wire rope? (Reduction more than 10%) | | |  |  | |  |  |  | |  |  |
| 4 | Is Physical Deformation in Wire rope Sling?  (Stretch / Bird cage / Kink ) | | |  |  | |  |  |  | |  |  |
| 5 | Is Colour coding for the current year painted? | | |  |  | |  |  |  | |  |  |
| 6 | Is Third Party (TP) Test certificate available? | | |  |  | |  |  |  | |  |  |
| 7 | Any Other | | |  |  | |  |  |  | |  |  |

**Remarks:**

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| **SN** | **Observations** |
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| **INSPECTION CHECK LIST FOR WIRE ROPE** | | | |
| **Issue No.: 01** | **Rev. No: 00** | **Date:** | **Form No – LM10** |

# WIRE ROPE INSPECTION (COMMON DEFECTS OF WIRE ROPES)

The defects to be looked during inspections are crushed flattened or jammed strands, bird caging, kinks, high stranding and un- laying, bulges in the rope, core protrusion, heat damage, damaged or inadequate splices etc. Permanent damage and deterioration such as kinked, crushed, flattened or distorted strands and unbalanced wear locations are the conditions, which make a rope susceptible to failure.

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| **Broken Wires of Wire rope** | *The rope must be replaced if -*  *In any length of 8 diameters, the number of visible broken wires exceeding 10 % of the construction of a rope or*  *Six or more randomly distributed broken wires in one rope lay in running ropes, or*  *Three or more broken wires in one strand in one rope lay in running ropes.*  *Three or more broken wires in one rope lay in pendants or standing ropes.* |
| **Reduction in Diameter of Wire rope** | *The rope must be replaced if -*  *Reduction of diameter is more than 6 % or, unless otherwise directed by the manufacturer* |
| **Worn Wire rope** | *The rope must be replaced if -*  *Wear on the outer wires exceeds* ***1/3*** *of the original diameter of the wire, or, unless otherwise directed by the manufacturer* |
| **Stretch Wire rope** | *The rope must be replaced if -*  *An elongation more than 5 % of the rope length should be cause for replacement or unless otherwise directed by the manufacturer* |
| **Damage Wire rope – Multi strand Bird Cage** | *The rope must be replaced if -*  *Multi-strand rope “Bird cages” due to torsion unbalance. Typical odd build-up seen at anchorage end of multi- fall crane application*  *A “Bird cage” caused by sudden release of tension end resultant rebound of rope from overloaded condition. These strands and wires will not return to their original position* |
| **Damage Wire rope due to shock loading** | *The rope must be replaced if -*  *Core protrusion as a result of torsion unbalanced created by shock loading.*  *Protrusion of Wire rope resulting from shock loading.*  *High Stranding of Wire rope resulting from shock loading.* |
| **Damage Wire rope due to Jumping** | *The rope must be replaced if -*  *A rope that has been jammed after jumping off a sheave.* |
| **Damage Wire rope due to Improper Handling** | *The rope must be replaced if -*  *An open kinking in wire rope, this is often caused by after improper handling and uncoiling.* |
| **Damage Wire rope due to Mechanical obstruction** | *The rope must be replaced if -*  *Crushing of wire rope, this is often caused by mechanical obstruction in path.* |

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| **INSPECTION CHECK LIST FOR LIFTING TACKLE - CHAIN SLING** | | | | | | | | | | |
| **Issue No.: 01** | **Rev. No: 00** | | | **Date:** | | | | **Form No – LM11** | | |
| **INSPECTION CHECK LIST FOR LIFTING TACKLE - CHAIN SLING** | | | | | | | | | | | | |
| **Plant / Agency** | |  | | | **Equipment Number** | | | |  | | | |
| **Department - Section** | |  | | | **Identification Marking** | | | |  | | | |
| **HOD (Name)** | |  | | | **T.P. Certificate No** | | | |  | | | |
| **Location of Inspection** | |  | | | **Date of T.P. Inspection** | | | |  | | | |
| **Inspection Frequency** | |  | | | **S.W.L. (Marked)** | | | |  | | | |
| **CHECK ITEMS** | | | | | | | | | | | | |
| **Sr. No** | **DESCRIPTION** | | | **Dates of Inspection** | | | | | | | | |
|  |  | |  |  |  | |  |  |
| 1 | Is SWL marked on Chain Sling? | | |  |  | |  |  |  | |  |  |
| 2 | Is any Physical Damage – Extremely Worn at  Chain link bearing surface? (more than 10%) | | |  |  | |  |  |  | |  |  |
| 3 | Is any Physical Damage - Crack in Chain Link? | | |  |  | |  |  |  | |  |  |
| 4 | Is any Physical Damage Corrosion in Chain  Link? (Reduction more than 10%) | | |  |  | |  |  |  | |  |  |
| 5 | Is any Physical Damage Stretch / Elongation in  Chain Link? | | |  |  | |  |  |  | |  |  |
| 6 | Is any Physical Damage Twist / Bent in Chain  Link? | | |  |  | |  |  |  | |  |  |
| 7 | Is Colour coding for the current year painted? | | |  |  | |  |  |  | |  |  |
| 8 | Is Third Party (TP) Test certificate available? | | |  |  | |  |  |  | |  |  |
| 9 | Any Other | | |  |  | |  |  |  | |  |  |

### Remarks:

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| **SN** | **Observations** |
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| **INSPECTION CHECK LIST FOR LIFTING TACKLE - STRAP / WEB SLING** | | | | | | | | | | |
| **Issue No.: 01** | **Rev. No: 00** | | | **Date:** | | | | **Form No – LM12** | | |
| **INSPECTION CHECK LIST FOR LIFTING TACKLE - STRAP / WEB SLING** | | | | | | | | | | | | |
| **Plant / Agency** | |  | | | **Equipment Number** | | | |  | | | |
| **Department - Section** | |  | | | **Identification Marking** | | | |  | | | |
| **HOD (Name)** | |  | | | **T.P. Certificate No** | | | |  | | | |
| **Location of Inspection** | |  | | | **Date of T.P. Inspection** | | | |  | | | |
| **Inspection Frequency** | |  | | | **S.W.L. (Marked)** | | | |  | | | |
| **CHECK ITEMS** | | | | | | | | | | | | |
| **Sr. No** | **DESCRIPTION** | | | **Dates of Inspection** | | | | | | | | |
|  |  | |  |  |  | |  |  |
| 1 | Is SWL marked on Strap / Web Sling? | | |  |  | |  |  |  | |  |  |
| 2 | Is any Physical Damage – Extremely Worn Strap  / Web Sling? | | |  |  | |  |  |  | |  |  |
| 3 | Is any Physical Damage – Crack, Cut in Strap / Web Sling? | | |  |  | |  |  |  | |  |  |
| 4 | Is any Physical Damage Stretch in Strap / Web Sling? | | |  |  | |  |  |  | |  |  |
| 5 | Is Colour coding for the current year painted? | | |  |  | |  |  |  | |  |  |
| 6 | Is Third Party (TP) Test certificate available? | | |  |  | |  |  |  | |  |  |
| 7 | Any Other | | |  |  | |  |  |  | |  |  |

**Remarks:**

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| **INSPECTION CHECK LIST FOR LIFTING TACKLE – ATTACHMENT** | | | | | | | | | | |
| **Issue No.: 01** | **Rev. No: 00** | | | **Date:** | | | | **Form No – LM13** | | |
| **INSPECTION CHECK LIST FOR LIFTING TACKLE - ATTACHMENT** | | | | | | | | | | | | |
| **Plant / Agency** | |  | | | **Equipment Number** | | | |  | | | |
| **Department - Section** | |  | | | **Identification Marking** | | | |  | | | |
| **HOD (Name)** | |  | | | **T.P. Certificate No** | | | |  | | | |
| **Location of Inspection** | |  | | | **Date of T.P. Inspection** | | | |  | | | |
| **Inspection Frequency** | |  | | | **S.W.L. (Marked)** | | | |  | | | |
| **CHECK ITEMS** | | | | | | | | | | | | |
| **Sr. No** | **DESCRIPTION** | | | **Dates of Inspection** | | | | | | | | |
|  |  | |  |  |  | |  |  |
| 1 | Is SWL marked on Attachment?  (Wire Rope Clamp, Wedge socket, Eye Bolt, etc.) | | |  |  | |  |  |  | |  |  |
| 2 | Is any Physical Damage – Extremely Worn at  bearing surface? (more than 10%) | | |  |  | |  |  |  | |  |  |
| 3 | Is any Physical Damage - Crack in Attachment? (Wire Rope Clamp, Wedge socket, Eye Bolt, etc.) | | |  |  | |  |  |  | |  |  |
| 4 | Is any Physical Damage Corrosion in  Attachment? Reduction more than 10% | | |  |  | |  |  |  | |  |  |
| 5 | Is any Physical Damage Stretch / Elongation in  Attachment? | | |  |  | |  |  |  | |  |  |
| 6 | Is any Physical Damage Twist/Bent in Attachment?  (Wire Rope Clamp, Wedge socket, Eye Bolt, etc.) | | |  |  | |  |  |  | |  |  |
| 7 | Is Colour coding for the current year painted? | | |  |  | |  |  |  | |  |  |
| 8 | Is Third Party (TP) Test certificate available? | | |  |  | |  |  |  | |  |  |
| 9 | Any Other | | |  |  | |  |  |  | |  |  |

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| **Checked by** | **Name** |  |  |  |  |  |  |  |
| **Signature** |  |  |  |  |  |  |  |



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| **INSPECTION CHECK LIST FOR SHEAVE PULLEY** | | | | | | | | | | |
| **Issue No.: 01** | **Rev. No: 00** | | | **Date:** | | | | **Form No – LM14** | | |
| **INSPECTION CHECK LIST FOR SHEAVE PULLEY**  **Check Sheave groove for**  **heck Bearing for Lubrication and otation**  **Check Flange**  **Check groove for wear**  **for correct size** | | | | | | | | | | | | | |
| **Plant / Agency** | | |  | | | **Equipment Number** | | | |  | | | |
| **Department - Section** | | |  | | | **Identificat on Marking** | | | |  | | | |
| **H D (Name)** | | |  | | | **T.P. Certificate No** | | | |  | | | |
| **Location of Inspection** | | |  | | | **Date of T.P. Inspection** | | | |  | | | |
| **In pection Frequency** | | |  | | | **S.W.L. (Marked)** | | | |  | | | |
| **CHECK ITEMS** | | | | | | | | | | | | | |
| **Sr. No** | | **DESCRIPTION** | | | **Dates of Inspection** | | | | | | | | |
|  |  | |  |  |  | |  |  |
| 1 | | Is SWL marked on Sheave Pulley? | | |  |  | |  |  |  | |  |  |
| 2 | | Is any Physical Damage in Wear in Sheave  Pulley Groove? | | |  |  | |  |  |  | |  |  |
| 3 | | Is any Physical Damage - Crack in Sheave Pulley  flange / Rim? | | |  |  | |  |  |  | |  |  |
| 4 | | Is any Physical Damage in Sheave Pulley  Bearing? | | |  |  | |  |  |  | |  |  |
| 5 | | Is Physical Damage Twist / Bent i Sheave  Pulley? | | |  |  | |  |  |  | |  |  |
| 6 | | Is Pulley used for correct size of ire rope? | | |  |  | |  |  |  | |  |  |
| 7 | | Is Sheave Pulley Lubricated Properly? | | |  |  | |  |  |  | |  |  |
| 8 | | Are all the Pulley rotates freely? | | |  |  | |  |  |  | |  |  |
| 9 | | Is Colour coding for the current y ar painted? | | |  |  | |  |  |  | |  |  |
| 10 |  | Is Third arty (TP) Test certificate available? | | |  |  | |  |  |  | |  |  |
| 11 |  | Any Oth r | | |  |  | |  |  |  | |  |  |

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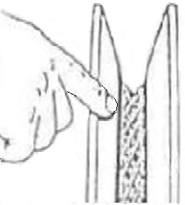
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| **SN** | **Observations** |
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| **INSPECTION CHECK LIST FOR SHEAVE PULLEY** | | | |
| **Issue No.: 01** | **Rev. No: 00** |  | **Form No – LM14** |

**SHEAVE PULLEY INSPECTION**

*Check Sheave groove for wear*



Check bearing for Lubrication and rotation

*Check Flange for wear*

*Check groove for correct size*

* Replace Pulley block if sheave having deeply worn or scored groove, a cracked or broken rim and worn or damaged bearings.
* Proper pulley should be used according to the requirement of work.
* In no case pulley meant for Fibre rope should be used with steel wire rope
* Grooves of the sheaves should be uniform and smooth. The rope should run free without touching against the block or suspension parts
* Sheaves of pulley should rotate freely on the shaft.
* The shaft should be free from crack and should not be worn out.
* Rope pulley Sheaves, shaft, hook, hook pin, locking of pins should be checked. Before use and lubricate all parts where necessary
* Anti-twister should be used to prevent rubbing of ropes against, one another.
* Anchorage of pulley should be strong and firm.

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| **SURVEY CHECK SHEET FOR HYDRA** | | | | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | | | **Date:** | | | | **Form No – LS01** |
| **SURVEY CHECK SHEET FOR HYDRA** | | | | | | | | | | | | | |
| **Plant** | | |  | | | | | **Inspection Frequency** | | | | **Monthly** | |
| **Area / Department** | | |  | | | | | **Date** | | | |  | |
| **HYDRA** | | | | | | | | | | | | | |
|  | | | | | | **SN** | | **Deficiency List** | | | | | |
| 1 | | SWL NOT Marked on Hydra & Anchoring Hooks on boom | | | | | |
| 2 | | Safety Latch in Hook is NOT provided / Hook Damaged | | | | | |
| 3 | | Hoist limit switch and Plate NOT provided | | | | | |
| 4 | | Wire rope is NOT free from tolerable Damage  (Kinked, Wear, Broken wire more than 10% etc.) | | | | | |
| 5 | | Load - Wire rope & other parts are NOT well Lubricated | | | | | |
| 6 | | Oil Leakage from Hydraulic parts (Piston drums). | | | | | |
| 7 | | Damaged Tires (Crack, Cut, air pressure etc.) | | | | | |
| 8 | | Head Lights & Rear Lights are NOT in good condition | | | | | |
| 9 | | Front Horn is NOT working | | | | | |
| 10 | | Reverse Horn NOT provided / NOT in good condition | | | | | |
| 11 | | Boom structure NOT in good condition while full  expansion (Damage, Crack or Jam while extending). | | | | | |
| 12 | | Brakes are NOT in good condition? | | | | | |
| 13 | | Travelling, Steering, Braking motions (in both directions)  are NOT satisfactory | | | | | |
| 14 | | Load Chart NOT Displayed in Operator Cabin  Load at the appropriate radius.(Max & Min radii) | | | | | |
| 15 | | Operating Instruction and Warning Signs NOT Displayed | | | | | |
| 16 | | Fire Extinguisher is NOT provided in Operator Cabin | | | | | |
| 17 | | Operator is NOT having Valid Driving License  (Heavy duty) | | | | | |
| 18 | | Hydra is NOT having Valid RTO Fitness / Third Party  fitness | | | | | |
| 19 | | Stability of Hydra is NOT satisfied | | | | | |
| 20 | | Hydra is NOT SUITABLE for Use at site | | | | | |
| 21 | | Any Other | | | | | |
| **Details of HYDRA with Deficiency** | | | | | | | | | | | | | |
| **Sr.**  **No.** | **HYDRA**  **No.** | **Type / Capacity** | | **Location** | **Annual Examination** | | | | | **Deficiency No.** | **Corrective Action Taken** | | |
| **Last Date** | | **Due Date** | | |
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| **SURVEY CHECK SHEET FOR HYDRA** | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | **Date:** | | | **Form No – LS01** |
| **Details of HYDRA with Deficiency** | | | | | | | | | | |
| **Sr.**  **No.** | **HYDRA**  **No.** | **Type / Capacity** | | **Location** | **Annual Examination** | | | **Deficiency No.** | **Corrective Action Taken** | |
| **Last Date** | **Due Date** | |
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|  | **Check By** | **Review By** |
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Note: One copy of Form No. 09 for annual examination / testing to be kept with concerned Department.

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| **SURVEY CHECK SHEET FOR MOBILE CRANE (TELESCOPIC)** | | | | | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | | | | **Date:** | | | | **Form No – LS02** |
| **SURVEY CHECK SHEET FOR MOBILE CRANE (TELESCOPIC)** | | | | | | | | | | | | | | |
| **Plant** | | |  | | | | | **Inspection Frequency** | | | | | **Monthly** | |
| **Area / Department** | | |  | | | | | **Date** | | | | |  | |
| **MOBILE CRANE (TELESCOPIC)** | | | | | | | | | | | | | | |
|  | | | | | | **SN** | | | **eficiency ist** | | | | | |
| 1 | | | SWL NOT Ma ked on Crane & Anchoring Hooks | | | | | |
| 2 | | | Safety Latch in Hook is N T provided / Hook Damaged | | | | | |
| 3 | | | oist limit switch and Plate NOT provi ed | | | | | |
| 4 | | | ire rope is OT free fro tolerable Damage  (Kinked, Wear, Broken wir more than 10% etc.) | | | | | |
| 5 | | | Load - Wire rope & other parts are NOT well Lubricated | | | | | |
| 6 | | | il Leakage from Hydraulic parts (Piston drums). | | | | | |
| 7 | | | amaged Tires (Crack, Cut, air pressur etc.) | | | | | |
| 8 | | | ead Lights Rear Lights are NOT in good condition | | | | | |
| 9 | | | Front Horn is NOT workin | | | | | |
| 10 | | | everse Horn NOT provided / NOT in good condition | | | | | |
| 11 | | | oom structure NOT in good condition while full  expansion (D mage, Crack or Jam while extending). | | | | | |
| 12 | | | rakes are N T in good c ndition? | | | | | |
| 13 | | | Travelling, Steering, Braking mo ions (in both  directions) are NOT satisf ctory | | | | | |
| 14 | | | Load Chart NOT Displayed in Operator Cabin  Load at the appropriate radius.(Max & Min radii) | | | | | |
| 15 | | | perating Instruction and Warning Signs NOT Displayed | | | | | |
| 16 | | | Fire Extinguisher is NOT provided in O erator Cabi | | | | | |
| 17 | | | perator is NOT having Valid Driving License  (Heavy duty) | | | | | |
| 18 | | | rane is NO having Valid RTO Fitness / Third Party  fitness | | | | | |
| 19 | | | utriggers / Stability of Crane is NOT satisfied | | | | | |
| 20 | | | rane is NOT SUITABLE for Use at site | | | | | |
| 21 | | | ny Other | | | | | |
| **Details of CRANE with Deficiency** | | | | | | | | | | | | | | |
| **Sr.**  **No.** | **CRA E**  **No.** | **Type / Capacity** | | **Location** | **T.P. Examin tion** | | | | | | **Deficiency No.** | **Corrective Action Taken** | | |
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| **SURVEY CHECK SHEET FOR MOBILE CRANE (TELESCOPIC)** | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | **Date:** | | | **Form No – LS02** |
| **Details of CRANE with Deficiency** | | | | | | | | | | |
| **Sr.**  **No.** | **CRANE**  **No.** | **Type / Capacity** | | **Location** | **T.P. Examination** | | | **Deficiency No.** | **Corrective Action Taken** | |
| **Last Date** | **Due Date** | |
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| **SURVEY CHECK SHEET FOR MOBILE CRANE (CROWLER)** | | | | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | | | **Date:** | | | | **Form No – LS03** |
| **SURVEY CHECK SHEET FOR MOBILE CRANE (CROWLER)** | | | | | | | | | | | | | |
| **Plant** | | |  | | | | | **Inspection Frequency** | | | | **Monthly** | |
| **Area / Department** | | |  | | | | | **Date** | | | |  | |
| **MOBILE CRANE(CROWLER)** | | | | | | | | | | | | | |
|  | | | | | | **SN** | | **Deficiency List** | | | | | |
| 1 | | S L NOT Marked on Crane & Anchoring Hooks | | | | | |
| 2 | | Safety Latch in Hook is NO provided / ook Damag d | | | | | |
| 3 | | H ist limit switch and Plate NOT provid d | | | | | |
| 4 | | Wire rope is N T free from tolerable Damage  (Kinked, Wear, Broken wire more than 1 % etc.) | | | | | |
| 5 | | Load - Wire rope & other parts are NOT well Lubricated | | | | | |
| 6 | | Oil Leakage from Hydraulic parts (Piston drums). | | | | | |
| 7 | | D maged Tires (Crack, Cut, air pressure etc.) | | | | | |
| 8 | | H ad Lights & Rear Lights are NOT in good condition | | | | | |
| 9 | | Front Horn is OT working | | | | | |
| 10 | | R verse Horn OT provided / NOT in good condition | | | | | |
| 11 | | B om structure NOT in good con ition while full  expansion (Damage, Crack or Jam while extending). | | | | | |
| 12 | | Brakes are NO in good co dition? | | | | | |
| 13 | | Travelling, Steering, Braking motions (i both directions)  are NOT satisf ctory | | | | | |
| 14 | | Load Chart NOT Displayed in Operator Cabin  Load at the appropriate radius.(Max & in radii) | | | | | |
| 15 | | O erating Instruction and arning Signs NOT Displayed | | | | | |
| 16 | | Fi e Extinguisher is NOT pr vided in Op rator Cabin | | | | | |
| 17 | | O erator is NOT having Valid Driving License  (Heavy duty) | | | | | |
| 18 | | Crane is NOT having Valid RTO Fitn ss / Third Party  fitness | | | | | |
| 19 | | Stability of Crane is NOT satisfied | | | | | |
| 20 | | Crane is NOT SUITABLE for Use at site | | | | | |
| 21 | | A y Other | | | | | |
| **Details of CRANE with Deficiency** | | | | | | | | | | | | | |
| **Sr.**  **No.** | **CRA E**  **No.** | **Type / Capacity** | | **Location** | **T.P. Examin tion** | | | | | **Deficiency No.** | **Corrective Action Taken** | | |
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| **SURVEY CHECK SHEET FOR MOBILE CRANE (CROWLER)** | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | **Date:** | | | **Form No – LS03** |
| **Details of HYDRA with Deficiency** | | | | | | | | | | |
| **Sr.**  **No.** | **CRANE**  **No.** | **Type / Capacity** | | **Location** | **T.P. Examination** | | | **Deficiency No.** | **Corrective Action Taken** | |
| **Last Date** | **Due Date** | |
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| **SURVEY CHECK SHEET FOR GANTRY CRANE** | | | | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | | | **Date:** | | | | **Form No – LS04** |
| **SURVEY CHECK SHEET FOR GANTRY CRANE** | | | | | | | | | | | | | |
| **Plant** | | |  | | | | | **Inspection Frequency** | | | | **Monthly** | |
| **Area / Department** | | |  | | | | | **Date** | | | |  | |
| **GANTRY CRANE** | | | | | | | | | | | | | |
|  | | | | | | **SN** | | **Deficiency List** | | | | | |
| 1 | | SWL NOT Marked on Gantry Crane & Anchoring Hooks | | | | | |
| 2 | | Safety Latch in Hook is NOT provided / Hook Damaged | | | | | |
| 3 | | Hoist limit switch and Plate NOT provided | | | | | |
| 4 | | Wire rope is NOT free from tolerable Damage  (Kinked, Wear, Broken wire more than 10% etc.) | | | | | |
| 5 | | Load - Wire rope & other parts are NOT well Lubricated | | | | | |
| 6 | | Hoisting and Lowering of the Hook?  (Test shall be carried out at Max) | | | | | |
| 7 | | Long travel & Cross travel condition is to be checked? | | | | | |
| 8 | | Operation Conditions of all brakes are to be checked  working properly? | | | | | |
| 9 | | Whether Electrical Power Supply cables are laid over  head along track? | | | | | |
| 10 | | Any abnormal sound or vibration is found in running  condition? | | | | | |
| 11 | | All rotating parts like gears etc. are guarded effectively? | | | | | |
| 12 | | Brakes are NOT in good condition? | | | | | |
| 13 | | Travelling, Braking motions (in both directions) are NOT  satisfactory | | | | | |
| 14 | | Operating Instruction and Warning Signs NOT Displayed | | | | | |
| 15 | | Gantry Crane is NOT having Valid Third Party fitness | | | | | |
| 16 | | Stability of Gantry Crane is NOT satisfied | | | | | |
| 17 | | Gantry Crane is NOT SUITABLE for Use at site | | | | | |
| 18 | | Any Other | | | | | |
| **Details of CRANE with Deficiency** | | | | | | | | | | | | | |
| **Sr.**  **No.** | **CRANE**  **No.** | **Type / Capacity** | | **Location** | **T.P. Examination** | | | | | **Deficiency No.** | **Corrective Action Taken** | | |
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| **SURVEY CHECK SHEET FOR MOBILE CRANE (CROWLER)** | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | **Date:** | | | **Form No – LS04** |
| **Details of CRANE with Deficiency** | | | | | | | | | | |
| **Sr.**  **No.** | **CRANE**  **No.** | **Type / Capacity** | | **Location** | **T.P. Examination** | | | **Deficiency No.** | **Corrective Action Taken** | |
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| **SURVEY CHECK SHEET FOR ELECTRICALLY OPERATED HOIST** | | | | | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | | | | **Date:** | | | | **Form No – LS05** |
| **SURVEY CHECK SHEET FOR ELECTRICALLY OPERATED HOIST** | | | | | | | | | | | | | | |
| **Plant** | | |  | | | | | **Inspection Frequency** | | | | | **Monthly** | |
| **Area / Department** | | |  | | | | | **Date** | | | | |  | |
| **ELECTRICALLY OPERATED HOIST** | | | | | | | | | | | | | | |
|  | | | | | | **SN** | | | **Deficiency List** | | | | | |
| 1 | | | EOT / HOIST is NOT Identified & Numbered | | | | | |
| 2 | | | SWL NOT Marked on Hoist & Hooks | | | | | |
| 3 | | | Safety Latch in Hook is NOT provided / Hook Damaged | | | | | |
| 4 | | | Wire rope is NOT free from tolerable Damage  (Kinked, Wear, Broken wire more than 10% etc.). | | | | | |
| 5 | | | Load - Wire rope & other parts are NOT well Lubricated | | | | | |
| 6 | | | Hoist limit switch and Plate NOT provided / working | | | | | |
| 7 | | | Long travel & Cross travel is NOT proper | | | | | |
| 8 | | | Damaged Rail Poles / Wheels - Crack, etc.(If provided) | | | | | |
| 9 | | | No / Damaged End Stoppers. | | | | | |
| 10 | | | Electrical ON / OFF Isolation panel is NOT proper. | | | | | |
| 11 | | | Emergency STOP Push Button is NOT functioning. | | | | | |
| 12 | | | Defaced (Operation) Making NOT on control panel | | | | | |
| 13 | | | Control functions are NOT functioning. | | | | | |
| 14 | | | Hoist Operation - Unusual Noise & Jerky Motion. | | | | | |
| 15 | | | Approach to Operator Cabin is not proper (If cabin) | | | | | |
| 16 | | | Operating Instruction and Warning Signs NOT Displayed | | | | | |
| 17 | | | Fire Extinguisher is NOT provided in Operator Cabin | | | | | |
| 18 | | | Load lifting work place is NOT free from obstruction. | | | | | |
| 19 | | | Load and Hook is left suspended. | | | | | |
| 20 | | | EOT / HOIST is NOT having Valid Third Party fitness | | | | | |
| 21 | | | Stability of Gantry Crane is NOT satisfied | | | | | |
| 22 | | | EOT / HOIST is NOT SUITABLE for Use at site | | | | | |
| 23 | | | Any Other | | | | | |
| **Details of HOIST with Deficiency** | | | | | | | | | | | | | | |
| **Sr.**  **No.** | **HOIST**  **Sr. No.** | **Type / Capacity** | | **Location** | **Annual Examination** | | | | | | **Deficiency No.** | **Corrective Action Taken** | | |
| **Last Date** | | **Due Date** | | | |
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| **SURVEY CHECK SHEET FOR ELECTRICALLY OPERATED HOIST** | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | **Date:** | | | **Form No – LS05** |
| **Details of HOIST, with Deficiency** | | | | | | | | | | |
| **Sr.**  **No.** | **HOIST,**  **Sr. No.** | **Type / Capacity** | | **Location** | **Annual Examination** | | | **Deficiency No.** | **Corrective Action Taken** | |
| **Last Date** | **Due Date** | |
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| **SURVEY CHECK SHEET FOR ELECTRICALLY OPERATED (WINCH)** | | | | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | | | **Date:** | | | | **Form No – LM06** |
| **SURVEY CHECK SHEET FOR ELECTRICALLY OPERATED (WINCH)** | | | | | | | | | | | | | |
| **Plant** | | |  | | | | | **Inspection Frequency** | | | | **Monthly** | |
| **Area / Department** | | |  | | | | | **Date** | | | |  | |
| **ELECTRICALLY OPERATED (WINCH)** | | | | | | | | | | | | | |
|  | | | | | | **SN** | | **Deficiency List** | | | | | |
| 1 | | Winch is NOT Identified & Numbered | | | | | |
| 2 | | SWL NOT Marked on Winch & Hook | | | | | |
| 3 | | Hook Damaged / without Safety Latch | | | | | |
| 4 | | Damaged Wire rope -Kinked, Wear, Broken wire etc. | | | | | |
| 5 | | Wire rope & other parts are NOT Lubricated | | | | | |
| 6 | | 5 turns of Wire rope NOT remain on drum when Hook is  in contact with the ground | | | | | |
| 7 | | Wire rope installed for winch is NOT on safe route and  with obstruction or rubbing | | | | | |
| 8 | | Sheaves Pulleys is NOT in good condition | | | | | |
| 9 | | Safety guards are NOT installed properly | | | | | |
| 10 | | Operating lever is NOT return to Neutral when released | | | | | |
| 11 | | Hoist limit switch (Over travel trip) NOT provided | | | | | |
| 12 | | Mechanical Breaks are NOT adequately rated for SWL | | | | | |
| 13 | | Electrical Breaks are NOT adequately rated for SWL &  Brakes auto apply on loss of power NOT working | | | | | |
| 14 | | Power cable used is NOT of correct type & size for Winch | | | | | |
| 15 | | Power cable is NOT properly terminated and Winch is  NOT effectively earthed? | | | | | |
| 16 | | Electrical Isolation panel is NOT proper / ELCB is NOT  provided for Emergency trip | | | | | |
| 17 | | Operating Instruction and Warning Signs NOT Displayed -  to check fail safe brake application before use | | | | | |
| 18 | | Defaced (Operation) Making NOT on control panel | | | | | |
| 19 | | Hoist Operation - Unusual Noise & Jerky Motion. | | | | | |
| 20 | | Winch operator is NOT qualified | | | | | |
| 21 | | Operator setting / Cabin is not proper (If cabin) | | | | | |
| 21 | | SIGNALLING - Operating levers NOT clearly labelled | | | | | |
| 22 | | Effective communication system is NOT established | | | | | |
| 23 | | Any Other | | | | | |
| **Details of WINCH with Deficiency** | | | | | | | | | | | | | |
| **Sr.**  **No.** | **WINCH**  **Sr. No.** | **Type / Capacity** | | **Location** | **Annual Examination** | | | | | **Deficiency No.** | **Corrective Action Taken** | | |
| **Last Date** | | **Due Date** | | |
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| **SURVEY CHECK SHEET FOR ELECTRICALLY OPERATED (EOT, HOIST)** | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | **Date:** | | | **Form No – LS06** |
| **Details of WINCH with Deficiency** | | | | | | | | | | |
| **Sr.**  **No.** | **WINCH**  **Sr. No.** | **Type / Capacity** | | **Location** | **Annual Examination** | | | **Deficiency No.** | **Corrective Action Taken** | |
| **Last Date** | **Due Date** | |
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| **SURVEY CHECK SHEET FOR LIFTING TOOL CHAIN PULLEY BLOCK** | | | | | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | | | | **Date:** | | | | **Form No – LS07** |
| **SURVEY CHECK SHEET FOR LIFTING TOOL - CHAIN PULLEY BLOCK (CPB)** | | | | | | | | | | | | | | |
| **Plant** | | |  | | | | | **Inspection Frequency** | | | | | **Quarterly** | |
| **Area / Department** | | |  | | | | | **Date** | | | | |  | |
| **LIFTING TOOL - CHAIN PULLEY BLOCK** | | | | | | | | | | | | | | |
|  | | | | | | **SN** | | | **Deficiency List** | | | | | |
| 1 | | | SWL NOT marked on Chain Pulley Block (CPB) | | | | | |
| 2 | | | Load Hook is NOT available in CPB | | | | | |
| 3 | | | Safety Latch is NOT provided in Hook | | | | | |
| 4 | | | SWL NOT marked on the anchoring Hook | | | | | |
| 5 | | | CPB is NOT properly lubricated | | | | | |
| 6 | | | CPB NOT operated freely and chain came out of pulley. | | | | | |
| 7 | | | Chain Pulley Block NOT anchored properly | | | | | |
| 8 | | | Hand Wheel Chain & Load Chain all links are NOT in good condition and having any knot, Physical Damage –  Worn, Crack, Stretch, corroded, Twisted, bent etc. | | | | | |
| 9 | | | Any abnormal sound while lifting load. | | | | | |
| 10 | | | Any slippage of load while it is being loaded or unloaded | | | | | |
| 11 | | | Colour coding for the current year not painted. | | | | | |
| 12 | | | Third Party (TP) Test certificate not available | | | | | |
| 13 | | | Any Other | | | | | |
| **Details of Chain Pulley Block with Deficiency** | | | | | | | | | | | | | | |
| **Sr.**  **No.** | **CPB**  **Sr. No.** | **Type / Capacity** | | **Location** | **T.P. Examination** | | | | | | **Deficiency No.** | **Corrective Action Taken** | | |
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| **SURVEY CHECK SHEET FOR LIFTING TOOL - CHAIN PULLEY BLOCK** | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | **Date:** | | | **Form No – LS07** |
| **Details of Chain Pulley Block with Deficiency** | | | | | | | | | | |
| **Sr.**  **No.** | **CPB**  **Sr. No.** | **Type / Capacity** | | **Location** | **T.P. Examination** | | | **Deficiency No.** | **Corrective Action Taken** | |
| **Last Date** | **Due Date** | |
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| **SURVEY CHECK SHEET FOR LIFTING TOOL - PULL LIFT** | | | | | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | | | | **Date** | | | | **Form No – LS08** |
| **SURVEY CHECK SHEET FOR LIFTING TOOL - PULL LIFT** | | | | | | | | | | | | | | |
| **Plant** | | |  | | | | | **Inspection Frequency** | | | | | **Quarterly** | |
| **Area / Department** | | |  | | | | | **Date** | | | | |  | |
| **LIFTING TOOL - PULL LIFT** | | | | | | | | | | | | | | |
|  | | | | | | **SN** | | | **Deficiency List** | | | | | |
| 1 | | | SWL (Pull – Lift) NOT marked on Pull Lift | | | | | |
| 2 | | | Load Hook is NOT available in Pull Lift | | | | | |
| 3 | | | Safety Latch is NOT provided in Hook | | | | | |
| 4 | | | SWL NOT marked on the anchoring Hook | | | | | |
| 5 | | | Pull Lift is NOT properly lubricated | | | | | |
| 6 | | | Pull Lift NOT operated freely & chain came out of  pulley. | | | | | |
| 7 | | | Pull Lift NOT anchored properly | | | | | |
| 8 | | | Handle, Wheel, Chain all links are NOT in good condition  and having any knot, Physical Damage – Worn, Crack, Stretch, corroded, Twisted, bent etc. | | | | | |
| 9 | | | Any abnormal sound while lifting load. | | | | | |
| 10 | | | Any slippage of load while it is being loaded or unloaded | | | | | |
| 11 | | | Colour coding for the current year not painted. | | | | | |
| 12 | | | Third Party (TP) Test certificate not available | | | | | |
| 13 | | | Any Other | | | | | |
| **Details of PULL LIFT with Deficiency** | | | | | | | | | | | | | | |
| **Sr.**  **No.** | **PULL LIFT**  **Sr. No.** | **Type / Capacity** | | **Location** | **T.P. Examination** | | | | | | **Deficiency No.** | **Corrective Action Taken** | | |
| **Last Date** | | **Due Date** | | | |
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| **SURVEY CHECK SHEET FOR LIFTING TOOL - PULL LIFT** | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | **Date:** | | | **Form No – LS08** |
| **Details of PULL LIFT with Deficiency** | | | | | | | | | | |
| **Sr.**  **No.** | **PULL LIFT**  **Sr. No.** | **Type / Capacity** | | **Location** | **T.P. Examination** | | | **Deficiency No.** | **Corrective Action Taken** | |
| **Last Date** | **Due Date** | |
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| **SURVEY CHECK SHEET FOR LIFTING TACKLE - HOOK** | | | | | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | | | | **Date:** | | | | **Form No – LS09** |
| **SURVEY CHECK SHEET FOR LIFTING TACKLE - HOOK** | | | | | | | | | | | | | | |
| **Plant** | | |  | | | | | **Inspection Frequency** | | | | | **Quarterly** | |
| **Area / Department** | | |  | | | | | **Date** | | | | |  | |
| **LIFTING TACKLE - HOOK** | | | | | | | | | | | | | | |
|  | | | | | | **SN** | | | **Deficiency List** | | | | | |
| 1 | | | SWL NOT marked | | | | | |
| 2 | | | Physical Damage in Hook  (Wear / Crack / Corrosion Reduction more than 10%) | | | | | |
| 3 | | | Physical Deformation in Hook  (Elongation / Spread / Twist more than 10 degree) | | | | | |
| 4 | | | Hook safety latch with the spring NOT provided /  properly positioned. | | | | | |
| 5 | | | Throat Opening more than 15% or 1/5th of the original  dimension of the Hook. | | | | | |
| 6 | | | Jam in Hook movement - Swivel Hook not rotates freely. | | | | | |
| 7 | | | Colour coding for the current year not painted. | | | | | |
| 8 | | | Third Party (TP) Test certificate not available | | | | | |
| 9 | | | Any Other | | | | | |
| **Details of Lifting Tackle - Hook with Deficiency** | | | | | | | | | | | | | | |
| **Sr.**  **No.** | **Hook Sr. No.** | **Type / Capacity** | | **Location** | **T.P. Examination** | | | | | | **Deficiency No.** | **Corrective Action Taken** | | |
| **Last Date** | | **Due Date** | | | |
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| **SURVEY CHECK SHEET FOR LIFTING TACKLE – HOOK** | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | **Date:** | | | **Form No – LS09** |
| **Details of Lifting Tackle - Hook with Deficiency** | | | | | | | | | | |
| **Sr.**  **No.** | **Hook Sr. No.** | **Type / Capacity** | | **Location** | **T.P. Examination** | | | **Deficiency No.** | **Corrective Action Taken** | |
| **Last Date** | **Due Date** | |
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| **SN** | **Observations** |
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| **SURVEY CHECK SHEET FOR LIFTING TACKLE - SHACKLE** | | | | | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | | | | **Date:** | | | | **Form No – LS10** |
| **SURVEY CHECK SHEET FOR LIFTING TACKLE - SHACKLE** | | | | | | | | | | | | | | |
| **Plant** | | |  | | | | | **Inspection Frequency** | | | | | **Quarterly** | |
| **Area / Department** | | |  | | | | | **Date** | | | | |  | |
| **LIFTING TACKLE - SHACKLE** | | | | | | | | | | | | | | |
|  | | | | | | **SN** | | | **Deficiency List** | | | | | |
| 1 | | | SWL NOT marked | | | | | |
| 2 | | | Physical Damage in Shackle  (Wear / Crack / Corrosion Reduction more than 10%) | | | | | |
| 3 | | | Physical Deformation of Shackle  (Elongation / Spread / Twist) | | | | | |
| 4 | | | Safety Screw Lock pin is NOT straight or wear more  than 10%. | | | | | |
| 5 | | | Safety Screw Lock pin is NOT seated properly in  positioned. | | | | | |
| 6 | | | Shackle Throat Opening up. | | | | | |
| 7 | | | Colour coding for the current year not painted. | | | | | |
| 8 | | | Third Party (TP) Test certificate not available | | | | | |
| 9 | | | Any Other | | | | | |
| **Details of Lifting Tackle - Shackle with Deficiency** | | | | | | | | | | | | | | |
| **Sr.**  **No.** | **Shackle Sr. No.** | **Type / Capacity** | | **Location** | **T.P. Examination** | | | | | | **Deficiency No.** | **Corrective Action Taken** | | |
| **Last Date** | | **Due Date** | | | |
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| **SURVEY CHECK SHEET FOR LIFTING TACKLE – SHACKLE** | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | **Date:** | | | **Form No – LS10** |
| **Details of Lifting Tackle - Shackle with Deficiency** | | | | | | | | | | |
| **Sr.**  **No.** | **Shackle Sr. No.** | **Type / Capacity** | | **Location** | **T.P. Examination** | | | **Deficiency No.** | **Corrective Action Taken** | |
| **Last Date** | **Due Date** | |
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| **SURVEY CHECK SHEET FOR LIFTING TACKLE – WIRE ROPE / WIRE ROPE SLING** | | | | | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | | | | **Date:** | | | | **Form No – LS11** |
| **SURVEY CHECK SHEET FOR LIFTING TACKLE – WIRE ROPE / WIRE ROPE SLING** | | | | | | | | | | | | | | |
| **Plant** | | |  | | | | | **Inspection Frequency** | | | | | **Quarterly** | |
| **Area / Department** | | |  | | | | | **Date** | | | | |  | |
| **LIFTING TACKLE – WIRE ROPE / WIRE ROPE SLING** | | | | | | | | | | | | | | |
|  | | | | | | **SN** | | | **Deficiency List** | | | | | |
| 1 | | | SWL NOT marked on Wire rope Sling | | | | | |
| 2 | | | Physical Damage - Broken wires in Wire rope  - more than 10% | | | | | |
| 3 | | | Physical Damage - Crack / Worn / Corrosion in Wire rope  - Reduction more than 10% | | | | | |
| 4 | | | Physical Deformation of Wire rope Sling  (Stretch / Bird cage / Kink ) | | | | | |
| 5 | | | Colour coding for the current year not painted. | | | | | |
| 6 | | | Third Party (TP) Test certificate not available | | | | | |
| 7 | | | Any Other | | | | | |
| 8 | | | Any Other | | | | | |
| 9 | | | Any Other | | | | | |
| **Details of Lifting Tackle - Wire rope/ Wire rope sling with Deficiency** | | | | | | | | | | | | | | |
| **Sr.**  **No.** | **Wire rope Sling Sr. No.** | **Type / Capacity** | | **Location** | **T.P. Examination** | | | | | | **Deficiency No.** | **Corrective Action Taken** | | |
| **Last Date** | | **Due Date** | | | |
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| **SURVEY CHECK SHEET FOR LIFTING TACKLE – WIRE ROPE / WIRE ROPE SLING** | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | **Date:** | | | **Form No – LS11** |
| **Details of Lifting Tackle – Wire rope / Wire rope sling with Deficiency** | | | | | | | | | | |
| **Sr.**  **No.** | **Wire rope Sling Sr. No.** | **Type / Capacity** | | **Location** | **T.P. Examination** | | | **Deficiency No.** | **Corrective Action Taken** | |
| **Last Date** | **Due Date** | |
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| **SURVEY CHECK SHEET FOR LIFTING TACKLE – CHAIN SLING** | | | | | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | | | | **Date** | | | | **Form No – LS12** |
| **SURVEY CHECK SHEET FOR LIFTING TACKLE – CHAIN SLING** | | | | | | | | | | | | | | |
| **Plant** | | |  | | | | | **Inspection Frequency** | | | | | **Quarterly** | |
| **Area / Department** | | |  | | | | | **Date** | | | | |  | |
| **LIFTING TACKLE – CHAIN SLING** | | | | | | | | | | | | | | |
|  | | | | | | **SN** | | | **Deficiency List** | | | | | |
| 1 | | | SWL NOT marked on Chain Sling | | | | | |
| 2 | | | Physical Damage – Extremely Worn at Chain link  bearing surface - more than 10% | | | | | |
| 3 | | | Physical Damage - Crack in Chain Link | | | | | |
| 4 | | | Physical Damage Corrosion in Chain Link - Reduction  more than 10% | | | | | |
| 5 | | | Physical Damage Stretch / Elongation in Chain Link | | | | | |
| 6 | | | Physical Damage Twist / Bent in Chain Link | | | | | |
| 7 | | | Colour coding for the current year not painted. | | | | | |
| 8 | | | Third Party (TP) Test certificate not available | | | | | |
| 9 | | | Any Other | | | | | |
| **Details of Lifting Tackle - Chain sling with Deficiency** | | | | | | | | | | | | | | |
| **Sr.**  **No.** | **Chain Sling Sr. No.** | **Type / Capacity** | | **Location** | **T.P. Examination** | | | | | | **Deficiency No.** | **Corrective Action Taken** | | |
| **Last Date** | | **Due Date** | | | |
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| **SURVEY CHECK SHEET FOR LIFTING TACKLE – CHAIN SLING** | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | **Date:** | | | **Form No – LS12** |
| **Details of Lifting Tackle – Chain sling with Deficiency** | | | | | | | | | | |
| **Sr.**  **No.** | **Chain Sling Sr. No.** | **Type / Capacity** | | **Location** | **T.P. Examination** | | | **Deficiency No.** | **Corrective Action Taken** | |
| **Last Date** | **Due Date** | |
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| **SN** | **Observations** |
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| **SURVEY CHECK SHEET FOR LIFTING TACKLE – STRAP / WEB SLING** | | | | | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | | | | **Date:** | | | | **Form No – LS13** |
| **SURVEY CHECK SHEET FOR LIFTING TACKLE – STRAP / WEB SLING** | | | | | | | | | | | | | | |
| **Plant** | | |  | | | | | **Inspection Frequency** | | | | | **Quarterly** | |
| **Area / Department** | | |  | | | | | **Date** | | | | |  | |
| **LIFTING TACKLE – STRAP / WEB SLING** | | | | | | | | | | | | | | |
|  | | | | | | **SN** | | | **Deficiency List** | | | | | |
| 1 | | | SWL NOT marked on Strap / Web Sling | | | | | |
| 2 | | | Physical Damage – Extremely Worn Strap / Web Sling | | | | | |
| 3 | | | Physical Damage – Crack, Cut in Strap / Web Sling | | | | | |
| 4 | | | Physical Damage Stretch in Strap / Web Sling | | | | | |
| 5 | | | Colour coding for the current year not painted. | | | | | |
| 6 | | | Third Party (TP) Test certificate not available | | | | | |
| 7 | | | Any Other | | | | | |
| **Details of Lifting Tackle - Strap / Web sling with Deficiency** | | | | | | | | | | | | | | |
| **Sr.**  **No.** | **Strap / Web sling**  **Sr. No.** | **Type / Capacity** | | **Location** | **T.P. Examination** | | | | | | **Deficiency No.** | **Corrective Action Taken** | | |
| **Last Date** | | **Due Date** | | | |
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| **SURVEY CHECK SHEET FOR LIFTING TACKLE – STRAP / WEB SLING** | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | **Date:** | | | **Form No – LS13** |
| **Details of Lifting Tackle – Strap / Web sling with Deficiency** | | | | | | | | | | |
| **Sr.**  **No.** | **Strap / Web sling**  **Sr. No.** | **Type / Capacity** | | **Location** | **T.P. Examination** | | | **Deficiency No.** | **Corrective Action Taken** | |
| **Last Date** | **Due Date** | |
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| **SN** | **Observations** |
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| **SURVEY CHECK SHEET FOR LIFTING TACKLES (ATTACHMENTS)** | | | | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | | | **Date:** | | | | **Form No – LS14** |
| **SURVEY CHECK SHEET FOR LIFTING TACKLES (ATTACHMENTS)** | | | | | | | | | | | | | |
| **Plant** | | |  | | | | | **Inspection Frequency** | | | | **Quarterly** | |
| **Area / Department** | | |  | | | | | **Date** | | | |  | |
| **LIFTING TACKLES (Attachment - Wire Rope Clamp, Wedge socket, Eye Bolts, etc.)** | | | | | | | | | | | | | |
|  | | | | | | **SN** | | **Deficiency List** | | | | | |
| 1 | | SWL NOT marked on Attachment  (Wire Rope Clamp, Wedge socket, Eye Bolt, etc.) | | | | | |
| 2 | | Physical Damage – Extremely Worn at bearing surface –  (more than 10%) | | | | | |
| 3 | | Physical Damage - Crack in Attachment  (Wire Rope Clamp, Wedge socket, Eye Bolt, etc.) | | | | | |
| 4 | | Physical Damage Corrosion in Attachment.-  (Reduction more than 10%) | | | | | |
| 5 | | Physical Damage Stretch / Elongation in Attachment | | | | | |
| 6 | | Physical Damage Twist / Bent in Attachment  (Wire Rope Clamp, Wedge socket, Eye Bolt, etc.) | | | | | |
| 7 | | Colour coding for the current year not painted. | | | | | |
| 8 | | Third Party (TP) Test certificate not available | | | | | |
| 9 | | Any Other | | | | | |
| **Details of Lifting Tools Tackles (Attachment) with Deficiency** | | | | | | | | | | | | | |
| **Sr.**  **No.** | **Lifting Tackles Attachment**  **Sr. No.** | **Type / Capacity** | | **Location** | **Annual Examination** | | | | | **Deficiency No.** | **Corrective Action Taken** | | |
| **Last Date** | | **Due Date** | | |
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| **SURVEY CHECK SHEET FOR LIFTING TACKLES (ATTACHMENT)** | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | **Date:** | | | **Form No – LS14** |
| **Details of Lifting Tools Tackles (Attachment) with Deficiency** | | | | | | | | | | |
| **Sr.**  **No.** | **Lifting Tackles Attachment Sr. No.** | **Type / Capacity** | | **Location** | **Annual Examination** | | | **Deficiency No.** | **Corrective Action Taken** | |
| **Last Date** | **Due Date** | |
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| **SN** | **Observations** |
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| **SURVEY CHECK SHEET FOR LIFTING TACKLE- SHEAVE PULLEY** | | | | | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | | | | **Date:** | | | | **Form No – LS15** |
| **SURVEY CHECK SHEET FOR LIFTING TACKLE- SHEAVE PULLEY** | | | | | | | | | | | | | | |
| **Plant** | | |  | | | | | **Inspection Frequency** | | | | | **Quarterly** | |
| **Area / Department** | | |  | | | | | **Date** | | | | |  | |
| **LIFTING TACKLE - SHEAVE PULLEY** | | | | | | | | | | | | | | |
|  | | | | | | **SN** | | | **Deficiency List** | | | | | |
| 1 | | | SWL NOT marked on Sheave Pulley | | | | | |
| 2 | | | Physical Damage in Wear in Sheave Pulley Groove | | | | | |
| 3 | | | Physical Damage - Crack in Sheave Pulley flange / Rim | | | | | |
| 4 | | | Physical Damage in Sheave Pulley Bearing | | | | | |
| 5 | | | Physical Damage Twist / Bent in Sheave Pulley | | | | | |
| 6 | | | Use for correct size of Wire rope | | | | | |
| 7 | | | Sheave Pulley Lubricated Properly | | | | | |
| 8 | | | All the Pulley rotates freely | | | | | |
| 9 | | | Colour coding for the current year not painted. | | | | | |
| 10 | | | Third Party (TP) Test certificate not available | | | | | |
| 11 | | | Any Other | | | | | |
| **Details of Lifting Tools Tackle Sheave Pulley with Deficiency** | | | | | | | | | | | | | | |
| **Sr.**  **No.** | **Lifting Tackle Sheave Pulley Sr. No.** | **Type / Capacity** | | **Location** | **Annual Examination** | | | | | | **Deficiency No.** | **Corrective Action Taken** | | |
| **Last Date** | | **Due Date** | | | |
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| **SURVEY CHECK SHEET FOR LIFTING TACKLE – SHEAVE PULLEY** | | | | | | | |
| **Issue No.: 01** | | **Rev. No: 00** | | **Date** | | | **Form No – LS15** |
| **Details of Lifting Tools Tackle – Sheave Pulley with Deficiency** | | | | | | | | | | |
| **Sr.**  **No.** | **Lifting Tackle Sheave Pulley Sr. No.** | **Type / Capacity** | | **Location** | **Annual Examination** | | | **Deficiency No.** | **Corrective Action Taken** | |
| **Last Date** | **Due Date** | |
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| **SN** | **Observations** |
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| **REGISTER – LIST OF LIFTING TACKLES & LIFTING MACHINE (GFR - Form No -10)** | | | |
| **Issue No.: 01** | **Rev. No: 00** | **Date:** | **Form No - LR01** |

# REGISTER – LIST OF LIFTING TACKLES & LIFTING MACHINE (GFR - Form No -10)

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| **Plant** |  |  |  |
| **Department - Section** |  | **Frequency** | **Ongoing** |

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| **Sr.**  **No.** | **Plant** | **Location** | **Type of Lifting Machine** | **Mfg. Name & Identification Nos.** | **Identification S.N.** | **Date. of 1st Use** | **Safe Working Load** | **Third Party Test** | | | **Remark** |
| **Certificate No** | **Test Date** | **Due Date** |
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| **REGISTER – LIST OF LIFT & HOIST (GFR - Form No -09)** | | | |
| **Issue No.: 01** | **Rev. No: 00** | **Date:** | **Form No - LR02** |

**REGISTER – LIST OF LIFT & HOIST (GFR - Form No -09)**

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| **Plant** |  |  |  |
| **Department - Section** |  | **Frequency** | **Ongoing** |

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| **Sr.**  **No.** | **Plant** | **Location** | **Type of Lifting Machine** | **Mfg. Name & Identification Nos.** | **Identification S.N.** | **Date. of 1st Use** | **Safe Working Load** | **Third Party Test** | | | **Remark** |
| **Certificate No** | **Test Date** | **Due Date** |
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