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|  Company Logo  |  **Job Safety Analysis (JSA) for Manual Handling** | Project. Rev: 00Date:  |

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| PPE’s Required: Safety helmet, Safety Shoes, gloves, Coverall, Goggles, Dust Mask, Jackets Ear Plug, and Full Body Safety Harness.  |
| Date:  | Prepared by:  |

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| Job: CIVIL ACTIVITIES | JSA: |

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| Task/Activity | Hazards | Control Measures | Responsible Person | Risk Rating |
| **Assessing the load** | - Incorrect assessment of the load’s weight or size- Sharp edges causing injury- Poor visibility | - Inspect the load for weight, size, and shape- Use gloves to handle sharp edges- Ensure proper lighting to assess the load | Worker/Supervisor | Medium |
| **Planning the lift** | - Inadequate planning- Obstructions in the path- Slippery or uneven surface | - Remove obstructions along the route- Plan the route in advance- Identify safe lifting points- Use signage for slippery area | Worker/Supervisor | Medium |
| **Lifting the load** |

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| - Strain on muscles/joints- Poor posture- Sudden movement |

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| - Use correct lifting techniques (e.g., bend knees, keep back straight)- Avoid twisting movements- Use lifting aids when necessary |

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| Worker/Team Lead |

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| High |

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| **Carrying the load** | - Dropping the load- Trips and falls- Fatigue | - Take breaks to avoid fatigue- Ensure a firm grip on the load- Use team lifting for heavy/awkward items | Worker/Team Lead | Medium |
| **Placing the load** | Placing the load | - Lower the load slowly with proper posture- Clear the placement area- Ensure communication if team-lifting | Worker/Team Leadr | Medium |
| **Using lifting aids/equipment** | - Equipment failure- Incorrect use of equipment- Obstructions | - Inspect equipment before use- Train workers on proper use- Ensure equipment is maintained and appropriate for the load | Supervisor/Equipment Inspector | Medium |
| **Team lifting** | - Poor communication- Uneven weight distribution | - Establish clear communication between team members- Distribute weight evenly- Assign a leader to coordinate | Team Lead | Medium |
| **Prolonged handling** | - Fatigue- Repetitive strain injuries- Dehydration | - Rotate tasks to minimize repetitive motions- Provide adequate rest breaks- Ensure hydration and ergonomic practices | Supervisor/Worker | High |
| **Unloading or stacking items** | - Items falling- Unsafe stacking- Crushing injuries | - Ensure stable stacking (heavier items at the bottom)- Use appropriate tools (e.g., step ladders)- Avoid stacking beyond safe height limits | Worker/Supervisor | Medium |
| **Emergency scenarios** | - Injuries from dropped loads- Equipment failure | - Train workers on emergency response- Ensure first aid kits are available- Regularly practice emergency drills | Supervisor/Safety Officer | High |

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| Severity Rating: (1) First Aid / Minor Property Damage. (2) Recordable Accident / Property Damage. (3) Lost Time Accident / Major Property Loss. (4) Catastrophic Accident |
|  What I Am Going to Do? How I Am Going to Do? What are the Risks? How do I Control Risks? Is Risks too High? |
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