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|    |  JSA for Lifting Activities by Crane | 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 |
| Transportation of Materials & Crane to Job Site | Uneven roads, unsafe conditions | Daily inspection of crane- Use certified drivers- Follow designated routes | Rigging Supervisor | Low |
| Material Loading/Unloading | Crane collapse, personal injuries, property damage | - Ensure proper access (e.g., bridges)- Assign flagman- Inspect materials before loading/unloading | Area Supervisor | Medium |
| Setting up Crane for Lifting | Hydraulic system failure | Secure materials with slings and shackles- Ensure level surface and use outrigger pads | E&P In-Charge | Medium |
| Lifting with Crane | Fire due to loose wiring, equipment failure | Use third-party-certified crane- Operate within crane's load capacity | HSE Inspector | High |
| Task/Activity | Hazards | Control Measures | Responsible Person | Risk Rating |
| Inspection of Crane & Rigging Gears | Falling objects due to faulty equipment | Certified operators and riggers- Inspect and replace faulty lifting gear | Rigging Engineer | High |
| Demobilization of Equipment & Workers | Personnel injury, slipping, tripping hazards | - Conduct checks of lifting tackles- Prepare rigging plans- Conduct toolbox talks | Rigging Supervisor | Low |
| Working at Heights | Falls, improper scaffolding | - Lift tools with ropes and baskets- Certified inspectors to check scaffolding- Use full-body harness and PP | Rigging Supervisor, Scaffolding Inspector | High |
| Working at Night | Poor illumination, slip, trip, and fall risks | - Ensure proper lighting and floodlights- Prepare lighting arrangements before work | Rigging Supervisor | Medium |
| Housekeeping | Environmental hazards, slip, trip, and fall risks | - Properly stack and dispose of waste- Barricade waste areas | Rigging Supervisor | Low |

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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? |
|   **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** **HSE Representative Verified By Approved By** |