

Risk Assessment Report

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| Document Reference No. | SI-PJM-EHS-100-024-F-045 | Risk Assessment Type | Block Work |
| Issue No. | 01 | Issue Date | 10th March, 2020 |
| Revision Date | 31-Mar-2026 | Revision Number | 0.0 |
| Effective Date | NA | Next Revision Date | 31-Mar-2026 |
| Status | PartiallyApproved | Created By | Anastacia Blackmore |
| Created On | 31-Mar-2026 08:52:30 PM | Modified On | 01-Apr-2026 11:33:48 AM |

Sections

Activity: Block Work

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|--------------------|----|
| Risk Assessment No | NA |
| Location | NA |
| Date | NA |

Risk rating matrix = Likelihood * Severity

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| Image |
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Sub-Activity: Mobilization of Manpower at Project

Hazards

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| Hazards | <ol style="list-style-type: none"> 1. Lack of awareness of about site safety rules. 2. Lack of awareness leading to injury. 3. Damage to property. 4. Damage to person. 5. unskilled labour. 6. Horse play while working on site. |
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|------------------------------|-------------|
| Likelihood | 3 |
| Severity | 2 |
| Risk = Likelihood x Severity | 6 |
| Risk Level | Medium Risk |

Impact

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| Impact | Health Impact |
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Control Measures

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| Control Measures | <ol style="list-style-type: none"> 1. All person should submit self-declaration form at entry gate and do entry in register. 2. Medical certificate is mandatory for everyone by MBBS doctor. 3. Induction training for new workers at site should be carried out. 4. Alcohol or drugs are strictly prohibited. 5. Smoking is not allowed at site. 6. TBT to be conducted before start the work. 7. Adequate supervision should be required during work. 8. Work area shall be inspected by concern supervisor. 9. Use of PPES's like safety helmet, goggle, reflective vest, hand gloves, safety shoes, & nose mask. 10. Mobile phone is strictly prohibited during the work, instruct to all workers in induction as well in toolbox. |
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| Likelihood | 1 |
| Severity | 2 |
| Residual Risk = Likelihood x Severity | 2 |
| Risk level | Low Risk |
| Control measures implemented by | Padams |

Sub-Activity: Human Behaviour activity

Hazard

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|------------------------------|---|
| Hazards | 1. Overconfidence 2. Improper background 3. Family History 4. Mental Illness. 5. Aggressive 6. Accident 7. Worker dispute |
| Likelihood | 3 |
| Severity | 3 |
| Risk = Likelihood x Severity | 9 |
| Risk Level | High Risk |

Impact

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| Impact | Health Impact |
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Control Measures

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| Control Measures | 1. Take care of each other will develop 2. Medical fitness certificate 3. Awareness and response 4. Proper supervision will be ensured at site. |
| PPE | Use of appropriate PPE's like (Rubber hand gloves, safety shoes, reflective jacket. Safety helmet. |
| Likelihood | 1 |
| Severity | 2 |
| Residual Risk = Likelihood x Severity | 2 |
| Risk Level | Low Risk |
| Control measures implemented by | Padams |

Sub-Activity: Loading and Un loading of Materials by Mechanical Equipment etc.

Hazards

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| Hazards | 1. Ergonomics. 2. Fall of Person. 3. Fall of Materials. 4. Slippery & uneven access. 5. Lifting excessive Weight. 6. Deployment of Untrained Person. 7. Obstructions in the passages. 8. Sharp edges. 9. Poor Illumination. 10. Trip Hazard. 11. Area Constraint. 12. Overhead Services. 13. Defective PPEs. 14. Lack of ventilation. 15. Stacking height. |
| Likelihood | 3 |
| Severity | 2 |
| Risk = Likelihood x Severity | 6 |
| Risk Level | Medium Risk |

Impact

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| Impact | Health Impact |
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Control Measures

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| Control Measures | <ol style="list-style-type: none"> 1. Trained & experienced workforce to be deployed. 2. Training on the hazards and control measures related to equipment's & related works to be conducted by the vendor (weekly, fortnightly, monthly). 3. All Material to be stacked not more than 1.5m in a designated area and same to be barricaded. 4. Access to be free from obstructions, slippery surfaces and any kind of unwanted materials. 5. Illumination and ventilation to be provided, Emergency lighting to be provided with battery backup. 6. Secondary contaminant tray to avoid chemical spillage on ground to be provided. Bund around the chemical storage area. 7. Fire extinguishers to be placed and easily accessible / approachable. 8. Use of PPEs like safety shoes, helmet, jacket, shoulder pads, hand gloves and nose mask while handling the material manually. 9. Vehicle and pedestrian movements to be separated where possible, minimize reversing operations. 10. Toolbox talks to be given by the vendor to the work force daily for the precautions to be taken in the activity. 11. Deploy competent supervisor while shifting materials through lift. 12. Wheel chock shall be provided for the ideal parked vehicle, 13. Work permit shall be obtained. 14. Worker Manually Material Lifting & Shifting of 30 kg only. 15. Material Shifting for use Pallet Trolley / Wheel Trolley. |
| PPE – Personal Protective Equipment | Job specific PPE like (hand gloves, safety helmet, safety shoes) |

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| Likelihood | 1 |
| Severity | 2 |
| Residual Risk = Likelihood x Severity | 2 |
| Risk Level | Low Risk |
| Control measures implemented by | Padams |

Sub-Activity: Material stacking on the work area

Hazards

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| Hazards | <ol style="list-style-type: none"> 1. Improper stacking of materials fall of materials 2. Sharp edge. |
| Likelihood | 3 |
| Severity | 3 |
| Risk = Likelihood x Severity | 9 |
| Risk Level | High Risk |

Impact

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| Impact | Health Impact |
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Control Measures

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| Control Measures | <ol style="list-style-type: none"> 1. Material should not be stacked over 1.5-meter height from the ground. 2. material should be stacked / stored at designated location. 3. Area should be barricaded. 4. Only trained and competent person should be assigned for the task. 5. Signages / Poster to be display Near Material Stacking area. |
| PPE – Personal Protective Equipment | Cut resistance hand gloves, safety helmet, safety shoes, etc. should be provided. |
| Likelihood | 2 |
| Severity | 1 |
| Residual Risk = Likelihood x Severity | 2 |
| Risk level | Low Risk |
| Control measures implemented by | Padams |

Sub-Activity: Block Work marking

Hazards

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| Hazards | <ol style="list-style-type: none"> 1.Slip Trip. 2.Fall of person. 3.Fall of material. 4.Lack of knowledge about work at height. 5.Paint hazard. 6.Poor ventilation. 7.Uninspected scaffolding. 8.Unauthorised entry in shaft. 9.Poor communication. 10.Improper Illumination. 11.Electrical cable may damage |
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| Likelihood | 3 |
| Severity | 3 |
| Risk = Likelihood x Severity | 9 |
| Risk Level | High Risk |

Impact

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| Impact | Health Impact |
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Control Measures

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| Control Measures | <ol style="list-style-type: none"> 1. Work permit shall be taken by client as well inspect workplace according to critical checklist. 2.Ensure fall protection to be provided. 3.Protect the sharp edges so that mitigate the anticipated risk. 4.Conduct training about specific activity and brief them about involved hazards and safety measures. 5.Provide exhaust fan for good ventilation. 6.Ensure scaffolding must be inspected before use and follow tag procedure. 7.Do not open any shaft without permission of safety person. 8.Communication should be proper between workers and concern staff. 9.Illumanston Inspection report to be generated every alternate day & Minimum of 100 lux Leave to be Maintained. 10.Power tools inspection must be inspected by competent person. 11.Ensure electrical cable should be joint free if joint comes then use male-female industrial socket (IP-65). 12.Electrical cable shall be on appropriate height. 13. Close monitoring required while doing this activity. 14.Maintain housekeeping at workplace. |
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| Likelihood | 1 |
| Severity | 2 |
| Residual Risk = Likelihood x Severity | 2 |
| Risk level | Low Risk |
| Control measures implemented by | Padams |

Sub-Activity: Aluminium mobile Scaffold Erection & Dismantling

Hazards

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| Hazards | <ol style="list-style-type: none"> 1. Collapse of scaffold. 2. Fall of materials, hand tools. 3. Fall of Person due to slip, trip, obstruction in access, openings, failure to anchor safety harness. 4. Usage of defective / damaged materials. 5. Uneven ground surface. 6. Deployment of untrained & unfit workforce. 7. Overloading / lack of supports / fixing of bracings, ties, counter pins, jointers, etc. 8. Awkward posture. 9. Unsecured platform, walkways, MS perforated working platform, etc. 10. Poor visibility |
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| Likelihood | 5 |
| Severity | 5 |
| Risk = Likelihood x Severity | 25 |
| Risk Level | High Risk |

Control Measures

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| Control Measures | <ol style="list-style-type: none"> 1. Scaffold to be erected on levelled and firm ground with base plates. 2. Screening of workers to be done. 3. Trained & experienced workers to be engaged for erection and dismantling of scaffold. 4. Qualified and experienced scaffold inspector to be deployed, Scaffold tag to be signed by scaffold inspector along with scaffold identification register. 5. Contractor must submit the load bearing capacity certificate of the scaffold. 6. Scaffold methodology & mock up to be approved by design consultant. 7. Access to be provided for reaching the work location. 8. Working Platform to be fully boarded & secured, mid rails, handrails and toe board to be provided. 9. Double lanyard full body harness with shock absorber / retractable personnel fall arrest system, rope grab fall arrestor to be used by the workers doing the scaffolding. 10. Loose material not to be kept on top of scaffold and not to be overloaded. 11. Hand tools, materials to be secured so that it will not fall even if mishandled. 12. Safety Helmet, Shoes, Hand gloves to be used. 13. While erection and dismantling, safety watcher need to be deployed and barricading the area to be done and display of signage to be done as per the activity. 14. If the scaffold material is shifted with mechanical equipment, relevant precautions of Loading and Unloading of Materials by Mechanical Equipment to be reviewed. 15. Electrical cables not to be routed / anchored through the scaffold's towers / frames. 16. While doing the erection near to live lines / transformers electrical isolation to be ensured prior to start the work. Ensure LOTO procedure. 17. Lighting to be provided for clear visibility. 18. Training on emergency rescue to be conducted for the workers engaged in the activity. 19. Scaffolding Install as per Inspection checklist and Provide inspection tag. 20. Tool lanyard / Tools kit to be ensured during work at high to avoid fall of materials from Scaffolding. |
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| Likelihood | 1 |
| Severity | 2 |
| Residual Risk = Likelihood x Severity | 2 |
| Risk Level | Low Risk |
| Control measures implemented by | Padams |

Sub-Activity: Masonry work in internal floors (block / brick work & plastering)

Hazards

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|----------------|---|
| Hazards | <ol style="list-style-type: none"> 1. Ergonomics. 2. Deployment of Untrained persons. 3. Poor illumination. 4. Use of damaged / defective scaffolds, tools, handmade tools. 5. Fall of Men & Materials. 6. Slips & trips due to unwanted material on floor. 7. Absorption / ingestion / inhalation of cement dust / other chemicals. 8. Collapse of block work. 9. Collapse of working platform due to overload, uneven surface, makeshift arrangement, etc. 10. Improper Access / Egress. 11. Dust Generation |
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|-------------------------------------|-----------|
| Likelihood | 3 |
| Severity | 3 |
| Risk = Likelihood x Severity | 9 |
| Risk Level | High Risk |

Impact

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| Impact | NA |
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Control Measures

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| Control Measures | <ol style="list-style-type: none"> 1. Trained, experienced & medically fit workforce to be deployed. 2. Trained, experienced & authorized operator to be deployed for the equipment. 3. Training on the hazards and control measures related to equipment's & related works to be conducted by the vendor (weekly, fortnightly, monthly). 4. Toolbox talks to be given by the vendor to the work force daily for the precautions to be taken in the activity. 5. Only limited blocks (max 2nos) to be placed on the mobile scaffold platform. 6. All hand tools, power tools to be inspected and damaged / defective tools to be rectified / removed. 7. Barricade the area beneath the working location / floor edge, cover the open shafts, provide fall prevention arrangement on other side. 8. Warning signage to be displayed. 9. Access / egress to be provided free from obstructions, slippery surfaces. 10. MSDS to be displayed and training for the same to be provided to all concerned person. 11. Mobile scaffold to be equipped with full boarded working platform, guard rails, mid rail, toe board, access & egress, wheel brakes, tested and certified scaffold material to be used. Inspection tags to be displayed on the scaffolds for identification of 'safe to use' / 'unsafe to use'. 12. Locking of wheels to be done before using the scaffold, Scaffold not to be dragged/pulled while workers are standing on the platform. 13. Lighting to be provided for clear visibility. |
| PPE – Personal Protective Equipment | Safety Shoes, Helmet, Jacket, Face Shield / Goggles, Safety Harness as applicable and Nose mask. |

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| Likelihood | 1 |
| Severity | 2 |
| Residual Risk = Likelihood x Severity | 2 |
| Risk Level | Low Risk |
| Control measures implemented by | Padams |

Sub-Activity: Night Work

Hazards

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| Hazards | All The above OHSE hazards remains same for the above activities while working at night shift, apart from the above control measures, the additional control measures to be ensured while working in night shifts |
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|-------------------------------------|-----------|
| Likelihood | 3 |
| Severity | 3 |
| Risk = Likelihood x Severity | 9 |
| Risk Level | High Risk |

Impact

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| Impact | NA |
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Control Measures

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|-------------------------|--|
| Control Measures | <ol style="list-style-type: none"> 1. Training on the hazards and control measures related to equipment's & related works to be conducted by the vendor (weekly, fortnightly, monthly). 2. Toolbox talks to be given by the vendor to the work force daily for the precautions to be taken in the activity. 3. No work to be carried out other than permitted (described in work permit). 4. Respective vendor safety & site supervisor to be available during the night work and the continuous supervision to be in place. 5. First Aider to be available, Emergency Vehicle must be in place or hospital ambulance tie up to be in place. 6. Lighting to be provided for clear visibility, Emergency lights to be available at the staircases and lift lobbies. 7. Sleeping in the work premises must be avoided, and such workmen must not be allowed to work at night. 8. Frisking at the gate entrance and at work premises need to be done. 9. Breathe analyser test to examine alcoholic / non-alcoholic condition of the driver, operator & workforce. 10. Night works to be as per the location sunset and sunrise timings, (preferably from 18:00HRS to 6:00AM). 11. After days' work completion contractor's representative to confirm in writing that all the workers and site staff have left the site. |
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| Likelihood | 1 |
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|---------------------------------------|----------|
| Severity | 2 |
| Residual Risk = Likelihood x Severity | 2 |
| Risk Level | Low Risk |
| Control measures implemented by | Padams |

Sub-Activity: Housekeeping

Hazards

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|---------|--|
| Hazards | <ol style="list-style-type: none"> 1. Insect bite. 2. Unhygienic conditions at site. 3. Sharpe edges Wastages Materials. 4. Dust Generation. |
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|------------------------------|-------------|
| Likelihood | 3 |
| Severity | 2 |
| Risk = Likelihood x Severity | 6 |
| Risk Level | Medium Risk |

Impact

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| Impact | NA |
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Control Measures

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| Control Measure | <ol style="list-style-type: none"> 1. Waste disposal facility to be provided. 2. All the sharp edge shall be protected. 3. Area defines for material stacking. 4. Vaccume cleaner and other standard cleaning materials shall be used at site. 5. MSDS shall be shared with working team member. |
| PPE – Personal Protective Equipment | PPEs shall be provided i.e. Hand gloves, Nose mask etc. |

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|---------------------------------------|----------|
| Likelihood | 1 |
| Severity | 2 |
| Residual Risk = Likelihood x Severity | 2 |
| Risk Level | Low Risk |
| Control measures implemented by | Padams |

Signatures

| Prepared By | Reviewed By | Approved By |
|-------------------------------------|-------------|-------------|
| Kyan Jin at 01-Apr-2026 11:33:48 AM | NA | |

History

| Created On | Created By | Comment | Attachments |
|-------------------------|---------------------|---|-------------|
| 01-Apr-2026 11:33:48 AM | Kyan Jin | Approving | |
| 01-Apr-2026 11:26:19 AM | Kyan Jin | Hira Status has been updated to 'PartiallyApproved' | |
| 31-Mar-2026 08:52:30 PM | Anastacia Blackmore | A new record was created: Site Name set to 'Animas' Hira Type set to 'Block Work' Hira Status set to 'Submitted' Next Revision Date set to '31-Mar-2026' Revision Number set to '0' | |