Organisation Banner

Risk Assessment Report

Document Reference No.	SI-PJM-EHS-100-024-F-045	**Risk Assessment Type**	Bison Board Fixing
Issue No.	01	**Issue Date**	10th March, 2020
Revision Date	01-Apr-2026	**Revision Number**	0.0
Effective Date	01-Apr-2026	**Next Revision Date**	NA
Status	Approved	**Created By**	Kyan Jin
Created On	01-Apr-2026 11:34:25 AM	**Modified On**	01-Apr-2026 11:36:16 AM

Sections

Activity: Bison Board Fixing

Risk Assessment No	NA
Location	NA
Date	NA

Risk rating matrix = Likelihood * Severity

Image

Sub-Activity: Mobilization of Manpower at Project

Hazards

Hazards	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.

Likelihood	3
Severity	2
Risk = Likelihood x Severity	**6**
Risk Level	Medium Risk

Impact

Impact	Health Impact

Control Measures

Control Measures	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.

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

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

Impact	Health Impact

Control Measures

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. 5. 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

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

Impact	Health Impact

Control Measures

Control Measures	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. Vehicle and pedestrian movements to be separated where possible, minimize reversing operations. 9. Toolbox talks to be given by the vendor to the work force daily for the precautions to be taken in the activity. 10. Deploy competent supervisor while shifting materials through lift. 11. Wheel chock shall be provided for the ideal parked vehicle. 12. Work permit shall be obtained. 13. Safety shoes, Helmet, Jacket, Shoulder pads, Hand gloves and Nose mask while handling the material manually.

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

Hazards	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

Impact	Health Impact

Control Measures

Control Measures	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. PPEs: 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: Aluminium mobile Scaffold Erection & Dismantling

Hazards

Hazards	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

Likelihood	3
Severity	3
Risk = Likelihood x Severity	**9**
Risk Level	High Risk

Control Measures

Control Measures	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 scaffolds 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.

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

Sub-Activity: S Bison board fixing in aluminium frame

Hazards

Hazards	1. Deployment of untrained/Unfit workers. 2. Scaffold collapse, defective working plat form. 3. Fall of man & materials. 4. Electrocution/short circuit. 5. Poor Illumination. 6. Sharp hand tools. 7. Slip & trip due to unwanted Materials on floor. 8. Obstructions in access. 9. Usage of damaged power tools. 10. Contact with rotating parts

Likelihood	3
Severity	2
Risk = Likelihood x Severity	**6**
Risk Level	Medium Risk

Impact

Impact	Health Impact

Control Measures

Control Measures	1. Trained, experienced & medically fit workforce to be deployed. 2. Trained, experienced & authorized team to be deployed for the Job. 3. Toolbox talks to be given by the vendor to the workforce daily for the precautions to be taken in the activity. 4. 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. 5. Inspection tags to be displayed on the scaffolds for identification of 'safe to use' / 'unsafe to use'. 6. Locking of wheels to be done before using the scaffold, Scaffold will not be dragged/pulled while workers are standing on the platform. 7. Electric cables to be routed overhead, free from naked joints and all portable tools to be routed through 30mA ELCB / RCCB & MCB. 8. Adequate Lighting to be Provided for clear visibility at work area, also Work area and access should be always obstruction free from unwanted material. 9. Training on MSDS to be conducted for the people involved in the activity. 10. All hand tools, power tools to be inspected and damaged / defective tools to be rectified / removed. Battery operated tools to be preferred. 11. Area to be barricaded and warning signages to be displayed at the location. 12. Materials to be stacked below 1.2m, Unwanted materials to be removed, packed and disposed of through an approved vendor. 13. Rotating part of the machine to be guarded. 14. Provided required PPES, Safety helmet, safety shoes, hand gloves, reflective jacket, goggles, nose mask / respirator to be used. 15. Continuous supervision should be provided in the work area. 16. Housekeeping should be provided after work completion.

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

Sub-Activity: Night Work

Hazards

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

Likelihood	3
Severity	3
Risk = Likelihood x Severity	**9**
Risk Level	High Risk

Impact

Impact	NA

Control Measures

Control Measures	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.

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

Sub-Activity: Housekeeping

Hazards

Hazards	1. Insect bite. 2. Unhygienic conditions at site. 3. Sharpe edges Wastages Materials.

Likelihood	3
Severity	2
Risk = Likelihood x Severity	**6**
Risk Level	Medium Risk

Impact

Impact	NA

Control Measures

Control Measure	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. 6. PPEs shall be provided i.e. Hand gloves, Nose mask etc.

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 11:34:42 AM	Luigi Serra at 01-Apr-2026 11:36:16 AM	

History

Created On	Created By	Comment	Attachments

01-Apr-2026 11:36:16 AM	Luigi Serra	Hira Status has been updated to 'Approved' Approving	
01-Apr-2026 11:34:42 AM	Kyan Jin	Hira Status has been updated to 'PartiallyApproved' Approving	
01-Apr-2026 11:34:25 AM	Kyan Jin	A new record was created: Site Name set to 'Animas' Hira Type set to 'Bison Board Fixing' Hira Status set to 'Submitted' Revision Number set to '0'	