

HAZARD IDENTIFICATION AND RISK ASSESSMENT

Contract Name:	Construction of Bird Breeding Building and VIP Majlis	Contract No:	P-001819000
Risk Assessment for <input checked="" type="checkbox"/> Routine Activity <input type="checkbox"/> Non-Routine Activity		Assessment Date:	17-02-2020
Activity: Installation of Air Outlets (Grill/Diffuser)		Rev Date:	16-08-2020

Sub-Activity	Hazard	Who is at Risk	Consequence (s)	Degree of Risk			Control Measure (s)	Residual Risk			Person Responsible
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Entering to the project site	1.Without safety Induction 2.Entering the site without PPE's 3.Unaware of the site condition 4. Entering to the restricted area. 5.Snake & venomous	All project involved personnel	1.Minor or major injury	3	3	9	1. All the project personnel must be holding a valid Visa, and emirates ID. 2. All the operatives shall be wearing suitable PPE, s hand glove, safety helmet, high reflective safety jacket, and safety goggles. 3. The operative must be undergone client /internal HSE induction training prior to starting the task at the site. 4. All the operatives must stay inside the project premises. 5.Ensure no operatives will enter restricted area bird/dog and other pet cages 6. The site supervisor must be delivered the specific TBT to all involved operatives Do, s and don'ts, emergency preparedness, snake bit etc. 7. Specific safety signage's must be placed for project personnel awareness. 8. All the visitors must be reported to the project security gate. 9. Photography strictly prohibited inside the project premises. 10. Treat all snakes as if they are venomous, report immediately concern supervisor. 11. Don't killed or injured snake or any venomous. 12. The responsible person must be undergone snake bit training and full time available on site, required first aid treatment resources must be available on site	2	3	6	Site Engineer EHS Inspector

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							13. Project emergency contact numbers must be displayed at the site. 14. Ensure nearby assembly point.				
Delivering, unloading and storing of Grill, diffuser using pickup and unloading by manual handling	Plant and Traffic movement <ul style="list-style-type: none"> • Run over by vehicles/plants • Hit by reversing equipment • Overhead obstructions • Vehicle break down • Property damage • Collision with other vehicles • Personal injury 	Operatives Staff/visitors	1.Minor or major injury 2.Property damage 3Musculoskeletal disorders 4Hand injuries, 5. Cut, bruises	3	3	9	1. Delivery/ collection drivers shall be subject to project induction/Training with regards to traffic management. 2. Ensure exclusion zone is set up around the preparation work area and all plant movement and monitored by certified Banksman 3. Always use the pedestrian access provided 4. Traffic light batons shall be provided for banks man at night 5. All plant to have a fully trained & certified banks man present all times. 6. No plant to reverse without banks man. 7. Ensure access route are sufficient and safe to use. 8. Use Pallet Trolley for Grill/Diffuser shifting. 9. All vehicles must be fitted with reverse alarm / Flashing light. 10.The work place and all access to be well illuminated. 11. Identify and eliminate sharp edges before any manual lift 12.Enforce Speed limit as per site rules. 13. Supervisor must make sure while manual handling loads individual task and environment to be considered to reduce the risk of manual handling 14. Ensure all vehicles entering the site is properly maintained and reported if found any defect 15. The load allowed for a worker does	2	3	6	Site supervisor

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							not exceed more than 20 kg. 16. PPE in use full time.				
Material storing	Slips, Trips and fall Poor housekeeping/narrow access	Operatives Staff/storekeeper	Head Injury due to tripping Hazard Property Damage	3	3	9	1.Ensure accesses are kept clear always. 2.Housekeeping to be carried out regularly throughout the day when required 3.Supervisor to ensure operatives are stacking material neatly and stacks are stable and in a safe condition 4.Provide adequate lighting especially during night hours 5. Appropriate space is allowed around storage areas for employees to move around safely without the risk being trapped between stacked materials. 6. Maintain good housekeeping. 7.Fire Extinguisher in place and do not obstruct with materials 8. No smoking and no loose connection in storage area 9. Make sure grill and diffuser materials should not scattered with other materials and properly stacked to avoid injury by sharp edge.	1	3	3	Site Supervisor Store Keeper

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Installation of Grill/Diffuser using mobile Tower/Ladder	1. Fall from height 2. Over loading 3 Slip, trip/Fall 4 Fragile Materials Access & egress	All Personnel involved and supervisor/visitor	1Eye injury Cuts. Broken Limbs. 2Fingers, Arms and hand in the long term to disability cuts of body parts. Cuts. Broken Limbs, 3Injuries/ Property damage 4Deep lacerations, cuts.	3	4	12	1.Only trained and authorised personnel to carry out the task. 2. Ensure the PTW in place. 3. Ensure proper working platform with complete fall protection 4. Ensure safe access to the working platform. 5. Ensure Full body harness and 100% Tie off 6. Ensure the scaffold platform is properly erected with "Safe to use" tag. 7. Ensure castor wheels are locked and out rigger in place 8. Work materials strictly not allowed to be stored on work plat form except for working tools 9. Tools must be secured while working on height 10. Maintain 3point contact while accessing A Type ladder. 11. Use of PPE. 12. Maintain good housekeeping to avoid Slip, Trip and Fall 13. Ensure while installation of grill, diffuser use proper procedure considering sharp edge of materials. 14. Debris to be dispose designated place. 15. Ensure while fittings the Grill/Diffuser and supports operatives must safely use drill machine to avoid finger injury and eye injury. 16. Only light work, off short duration and work in which the operative can maintain secure hand and foot hold can be undertaken form a ladder	1	4	4	Site Engineer, Supervisor, Foreman
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Working near Fragile ceiling	<ul style="list-style-type: none"> Fragile surface Sharp metal sheet Fiber cement/silica dust 	Operatives involved/Supervisor/visitor	Eye injury Cuts. Broken Limbs. 2Fingers, Arms and hand in the long term to disability cuts of body parts. Cuts. Broken Limbs, 3Injuries/ Property damage 4Deep lacerations	3	3	9	<ol style="list-style-type: none"> 1. Ensure all fragile surfaces can easy impact of body injury and supervisor must have briefed to the operatives about the hazard of fragile ceiling and precaution. 2. Ensure your body parts and dress should not engagement with sharp metal sheets and ceiling. 3. Ensure while making hole and using drill cement dust and metal dust should not direct contact with your skin and body. 4. Use dust mask 5. Use necessary PPE 6. Housekeeping must be carried after completion of work 	1	3	3	Supervisor Foreman
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Use of power tools such as Grinder/Drill	1. Unsafe use of hand tools. 2. Dust / flying particles. 3. Fall of materials 4. Electric shock	All operatives/supervisor/visitors	1. Minor or major injuries 2. Property Damage	3	4	12	1. All portable electrical equipment must be PAT tested and color coded. Make sure the test dates are visible on the equipment 2. PTW shall be obtained prior to commencing the task. 3. Ensure operatives use suitable PPE, s Head protection, hand protection, respiratory protection, and eye protection. 4. Ensure enough fire extinguishers shall be available at the site. 5. Effective supervision in place to guide the team members. 6. Ensure Proper insulation/shockproof of power tools. 7. Ensure proper conditions of electrical cables, switchboards and electrical connections. 8. Ensure power tools have safety guards in place especially for grinding machines. 9. Ensure all the power tools are safe to use. 10. Grinder must have safety guard and auxiliary handle. 11. Fire extinguisher in place with fire watcher 12. Ensure that electrical supply must be taken from certified DB. 13. Use face shield while using abrasive wheel. 14. Power tools must be check by store keeper before issuing to site. 15. Ensure color coding for the power tools are maintained and maintaining monthly inspection checklist.	1	4	4	Site supervisor
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External work Adverse weather condition	High wind, sand storm, fog Direct Sunlight	Operatives involved in work	1.Minor or major injury 2. Property damaged. 3.Heat stress 4.Heat Stroke	4	4	16	1)Ensure adequate PPE's 2) Provision for availability of drinking water at work location. 3) Take rest in frequent intervals 4) In case High wind stop the activity until stop the storm. 5) Sufficient shaded rest area with adequate ventilation available at work location 6) Heat stress awareness training conducted. 7) Site Emergency contact number Should have displayed and ensuring all employees are aware of it. 8) Avoid working on direct heat. 9) All operatives must have aware First Aid location.	2	4	8	Site supervisor
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Use of Hand tools	Improper selection of hand tools. Damaged and Defective Hand tools Improper use of hand tools Hand injuries Pinch point	All Operatives	Hand injuries Ergonomics Eye injury.	3	3	9	1. Hand tools should be visually inspected for defects, prior to use. 2. Never use damaged, blunt or broken tools to avoid injury. 3. Select right tools for right Job 4. Ensure no Homemade or makeshift tools to be used at site 5. Remove from service any tool that shows signs of damage or defect 6. Ensure Hand tools are Stored in accordance with the manufacturer's instructions. 7. Ensure hands are not in direct line of fire while working	1	3	3	Supervisor Foreman
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