|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Document Title:** | | Risk Identification and Hazard Assessment | | | |
| **Document CODE:** | | PS-14122024 | | | |
| **Date:** | | 12/14/2024 | **SITE / LOCATION:** | PFIZER PAKISTAN DOLMEN MALL (HVAC, FAHU, FCU, WCPU, VAV, CAV, AIR DEVICES & MISCELLANEOUS WORKS) | |
| **S.NO** | **Process Activity** | **Identification Hazard / Aspect** | **Risk Impact** | **Additional Control Measures** | **Action / Responsibility** |
| 1 | Work Site Preparation | Hazards during preparation, improper identification of risks resulting in incidents | Pinching of body parts while handing of materials | ● Close supervision will be ensured all the time ● Visual inspection of all equipment’s will be carried out. ● All powered tools/ critical equipment to be third-party certified ● Work site to be marked and barricaded properly  ● Workforce to be medically fit (medical fitness certificates to be available) ● Max. hours of work to be limited to 08 hours / day with adequate rest breaks to the staff members ● Proper ventilation to be ensured to avoid any feeling of suffocation inside the office (in the absence of air-conditioning, which will be turned off after office hours in the building) | Safety Officer / Site Workers |
| 2 | Manual Material Handling | Hazards during manual materials handling. Improper stacking of Material. | Pinching of leg/hands while handing of materials | Provide Load Shifting Skates for materials shifting. Person handing the material should be physically fit to do work. Proper training on manual material handling to reduce ergonomic risks. Use appropriate gloves during material handling. Material lifting must be below 25kgs/ person . | Safety Officer / Site Workers |
| 3 | Electrical & Instrument work; cable damaging | Improper electric loose connection. Scattered electric wiring | Injury, burn while electric connection | All electrical work to be performed on de-energized system with proper electrical isolation of the main DB.  Training in electrical work. Inspection of electrical equipment, Use insulated gloves and safety shoes. No loose clothing, Proper Implementation of LOTO. Firefighting equipment must be available at the site of electrical work (Fire extinguishers etc.).  No open/ temporary electrical connections or connections without plugs of proper rating. All electrical wires/ cables etc. to be free of any cuts/ damage etc. | Safety Officer / Site Workers |
| 4 | HVAC EQUIPMENT, FAHU, FCU, WCPU UNITS, VAV, CAV, AIR DEVICES. | Potential HVAC issues due to rerouting or blocking branches. Chilled water & Condenser connection dismantling, if required,  Charging of Refrigerant if required for WCPU unit, | Reduced air quality, thermal discomfort, and potential damage to equipment. | Properly isolate HVAC systems, test after modifications, and ensure connections are secure.  Proper access platforms to be used for any work at height.no electronic item should place /  work station below the HVAC equipment, to be clear during working period. | Safety Officer / Site Workers |
|  |  |  |  |  |  |

**Assessed by: \_ ISRAR AHMED\_\_\_\_ Reviewed by: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**