| **Sr. #** | **Department /Area** | **Activity / Process** | **Identified Hazard** | **Possible Impact** | **Condition**  **(R/NR)** | **Risk Assessment** | | | **Significance** | **Possible Control Measures** | **Applied Controls** | **Residual Risk** | | | **Residual Significance** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Occurrence **(O)** | Severity **(S)** | Risk **(R)** = **(O\*S)** | Occurrence **(O)** | Severity **(S)** | Risk **(R)** = **(O\*S)** |
| 1 | Quality Control | Cleaning | Cleaning while machine electric supply is on, machine on by someone while other person cleaning it. | Injury by hot Surfaces of machine like Heaters. | R | 1 | 6 | **6** | ***Low*** | Avoid hot surfaces by proper covering it | Heat resistance gloves, Proper awareness | 0 | 6 | **0** | ***Low*** |
| 2 | Quality Control | Feeding, Weighing & Material handling | Slippery Floor | Slip & Fall injuries | NR | 1 | 4 | **4** | ***Low*** | Proper training and cleanliness | Proper balance , handling of material & PPEs | 0 | 4 | **0** | ***Low*** |
| 3 | Quality Control | Machines Noise | Noise | Hearing Loss | R | 1 | 4 | **4** | ***Low*** | Use of air plugs while using any machine that create noise | air plugs | 0 | 4 | **0** | ***Low*** |
| 4 | Quality Control | Emergency Situation | Blocked emergency evacuation path & exit | Fatality , Injuries | NR | 2 | 4 | **4** | ***Low*** | Passage should be clear | Floor marking , awareness | 0 | 4 | **0** | ***Low*** |
| 5 | Quality Control | Extrusion Process | Incompetent workers  (Lack of Knowledge, ability, training or experience) | Failure of operations, accident happening, cause to harm for own self & other workers. | R | 1 | 4 | **4** | ***Low*** | Proper training & PPEs | Awareness & Competent workers | 0 | 4 | **0** | ***Low*** |
| 6 | Quality Control | Extrusion Process | Air dust | Lungs damage | R | 1 | 4 | **4** | ***Low*** | Proper PPEs | Usage of mask | 0 | 4 | **0** | ***Low*** |
| 7 | Quality Control | Extrusion Process | Use of fire match stick, lighter or cigarette | Fire incident | NR | 1 | 4 | **4** | ***Low*** | Probation of any kind of match stick ,lighter and cigarette | Awareness and Sign boards | 0 | 4 | **0** | ***Low*** |
| 8 | Quality Control | Emergency Situation | Blocked control/electrical panels of machines & Fire Cylinder | Fire incident, electric shock to worker &damage to worker health | NR | 1 | 8 | **8** | ***Medium*** | Easy access to fire extinguisher | Floor marking, Proper awareness | 0 | 8 | **0** | ***Low*** |
| 9 | Quality Control | Two roll Mills | Warm surface of rolls & Hand injuries | Minor or major injury, Fatality | NR | 1 | 6 | **6** | ***Low*** | Proper training | Awareness and competency | 0 | 6 | **0** | ***Low*** |
| 10 | Quality Control | Blown film | Hot surfaces of machine and splashes of melted polymer from die. | Burn injuries and eyes damage | NR | 2 | 4 | **8** | ***Medium*** | Proper PPEs & Display | Use of Goggles | 1 | 4 | **4** | ***Low*** |
| 11 | Quality Control | Injection Molding | Hot surfaces of machine | Hand Injuries. | NR | 1 | 4 | **4** | ***Low*** | Proper training & Awareness | Competent operator | 0 | 4 | **0** | ***Low*** |
| 12 | Quality Control | MFI | Hot surface of equipment & tolls | Minor injury, Fatality | NR | 1 | 8 | **8** | ***Medium*** | Proper training & awareness of MFI | Heat resistance gloves | 0 | 8 | **0** | ***Low*** |

Prepared By (QHSE Team Member/HOD):\_\_\_\_\_\_\_\_\_\_\_\_ Reviewed By (QHSE TL):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Approved By (GM):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_