

Anaya-K1 Github Excel 2 - HIRA

(Hazard Identification & Risk Assessment)

in Industrial Safety (construction sector)

27 rows(activities) and 10 columns

Activity ID	Activity Name	Hazard Type	Hazard Description	Existing Controls	Severity (1–5)	Likelihood (1–5)	Risk Score	Responsible Person	Status
SAFACT1	Shuttering installation (4th & 5th floors)	Fall from height	Worker falls from slab/edge while installing/shifting formwork panels	Proper use of PPE — full-body safety harness, anchorage points, proper footwear; outer edge hard barricades; safety nets; guardrails ,Provide certified anchor points & fall arrest equipment register; pre-shift check of harnesses & connectors; FBSh + work-at-height + rescue training; buddy system; daily toolbox talk; install temporary toe-boards and mesh; permit for work at height; rescue plan & practice rescue drill weekly.	5	5	25	Senior Engineer , Junior Engineer, Project manager, contractor ,supervisors, competent employees, foreman.	Active
		slip and trip / dropped obj	Panels or tools fall and strike workers below	Tool lanyards, barricading of drop zones, signage ,Debris netting under work area; enforce exclusion zone beneath operations; use taglines for panels; schedule lifts when fewer workers below; daily tool check & toolbox talk; storage of panels clear from edges.	4	4	16	Senior Engineer , Junior Engineer, Project manager, contractor ,supervisors, competent employees, foreman.	Active
		Pinch / crush	Hands/fingers pinched while aligning panels	Gloves (cut/crush resistant), training on panel handling ,Use mechanical alignment jigs/panel lifters; keep hands clear policy; signage; pre-task risk assessment; first aid kit and trained first aider on site.	3	3	9	Senior Engineer , Junior Engineer, Project manager, contractor ,supervisors, competent employees, foreman.	Active
SAFACT2	Shuttering removal / de-shuttering	slip and trip / falling formw	Formwork parts fall during dismantling	Barricades, helmets, sequence dismantling from top down ,Use taglines and controlled lowering access; store dismantled parts away from edge; permit to dismantle; supervision and lifting plan; check all props before removal.	4	4	16	Senior Engineer , Junior Engineer, Project manager, contractor ,supervisors, competent employees, foreman.	Active
		Fall from height	Worker leans over edge removing supports	Harness, guardrails, safety nets ,Use mobile work platforms or extendable tools to avoid overreach; fall arrest anchor checks before work.	5	4	20	Senior Engineer , Junior Engineer, Project manager, contractor ,supervisors, competent employees, foreman.	Active
		Musculoskeletal Injury	Manual handling of heavy panels	Team lifting, shoulder pads ,Mechanical trolleys/hoists for panel movement; task rotation; pre-lift planning; manual handling training and lifting aids	3	3	9	Senior Engineer , Junior Engineer, Project manager, contractor ,supervisors, competent employees, foreman.	Active