

قائمة مرجعية لتقييم المخاطر والتفتيش بقطاعات التشييد والبناء

Risk Assessment Checklist for construction sector

نموذج لتقييم المخاطر والتفتيش الدوري

Walkways, Access routes, Stairs and Ladders
 Scaffolding, Temporary Platforms and Work Stands
 Protection against Falling and Collapsing
 Electricity and Lighting
 Waste and environmental protection
 Machinery and Equipment
 Fire Safety
 Physical Hazards
 Chemical Hazards
 Musculoskeletal Strain Factors
 Psychosocial Stress Factors
 First Aid and Emergency Preparedness
 Welfare Facilities
 Safety Management Systems & Records

Walkways, Access routes, Stairs and Ladders		Yes	No
1.	Ladders in good condition, used only for temporary access, or for short-term light work with one hand		
2.	Handrails and mid rails to prevent fall of persons when falling distance is more than 0,5m.		
3.	Wide enough		
4.	Free off obstacles, not slippery		
5.	No openings or cracks, which may cause falling		
6.	Proper roofing in entrance of the building to stop falling objects		
Scaffolding, Temporary Platforms And Work Stands		Yes	No
1.	Erected properly, and inspected before use		
2.	Proper handrails, mid rails and toe- boards		
3.	Safe access route to work platform, (ladders or stairs)		
4.	Working platform wide enough, free off obstacles, not slippery no openings or cracks, which may cause falling		
5.	Fixed scaffolding: Footings, anchoring and reinforcement are proper		
6.	Movable scaffolding: Lockable wheels, inner ladders		
7.	Hanging scaffolding: Fixed not to move right or left, report to determine maximum load capacity, checked daily.		
Protection Against Falling And Collapsing		Yes	No
1.	Open sides of floors, elevator openings etc. protected with triple- part side protection; handrail, mid rail, and toe board.		

2.	Areas without railings separated off with proper barriers		
3.	Openings on floor, covered with firm and marked covers		
4.	Excavation protected against collapsing, when necessary		
5.	Excavation separated with proper barriers or railings		
Electricity And Lighting		Yes	No
1.	Distribution of site electricity planned properly		
2.	Distribution boards and cables in good condition (Appropriately located and protected)		
3.	Artificial lighting is adequate for safety and quality		
Waste and environmental protection		Yes	No
1.	Waste disposal management planned properly		
2.	Proper waste containers for different types of waste exist		
3.	Waste containers are emptied periodically		
4.	Wastes roughly cleaned up after each work stage.		
5.	Materials are stored properly		
6.	Traffic routes and walk ways are clearly indicated		
Machinery And Equipment		Yes	No
1.	In proper condition and clean		
2.	Safety devices are in place		
3.	Electric wires undamaged		
4.	Proper for construction environment		
5.	The area around the machines in good order		
6.	Proper footing and support		
7.	Statutory inspections are completed		
8.	Maximum load capacity indicated (cranes and lifting devices)		
9.	Qualified operators (cranes and lifting devices)		
Fire Safety		Yes	No
1.	No extra burnable materials on floors or on ground		
2.	Proper fire extinguishers available at marked places		
3.	Smoking is not allowed on places with combustible materials		
4.	Electric distribution boxes (board) and wires in good condition		
5.	Lighting devices proper for site conditions and properly located.		
6.	Hot works (welding, grinding, etc.) conducted in special hot work areas, or under a special work permit		
6a.	Flammable and combustible materials and dust near of hot work removed or protected.		
6b.	Any opening or cracks in the walls, floors covered or protected.		

6c.	Fire extinguisher of the proper type and size available		
6d.	Workers properly trained		
6e.	A Fire Watch has been posted, when necessary		
7.	Emergency exits are properly marked and clear		
Physical Hazards		Yes	No
1.	Employees use proper hearing protectors when the noise level is more than 85 dB(A)		
2.	Audiometric tests are done according to the regulations		
3.	Hand vibration has avoided by choosing less vibrating work methods and tools, when possible.		
3a.	Tools are maintained properly.		
3b.	Exposure time of the worker is limited, and the workers are informed about the long-term health risks of the hand vibration.		
3c.	Health surveillance is organized for exposed workers		
4.	The controls of exposures to other physical hazards, like radiation, high or low temperature etc. meet the safety regulations and standards.		
Chemical Hazards		Yes	No
1.	Processes that pollute the air equipped with local exhaust ventilation		
2.	Employees wear respirators		
3.	Less hazardous substances in use when possible		
4.	Material safety data sheets available		
5.	Exposure monitored by occupational health service, when necessary		
6.	Work in confined spaces conducted under a special work permit.		
6a.	Atmosphere tested before entering, cleaned and ventilated when necessary (oxygen, flammable or toxic gases/fumes)		
6b.	Isolation is done properly, when necessary to prevent dangerous materials entering to the place while working.		
6c.	Atmosphere is monitored during the work, when necessary		
6d.	Workers are trained to work safety		
6e.	Standby person outside and proper means of rescue, when necessary.		
Musculoskeletal Strain Factors		Yes	No
1.	Manual lifting and carrying materials avoided by proper planning the site layout and work processes		
2.	Proper tools and machines used for lifting and moving materials (carts, lifters, elevators, tele handlers, cranes, mobile elevating work platforms etc.)		
3.	Health surveillance organized for exposed workers		
Psychosocial Stress Factors		Yes	No
1.	Insulting treatment and discrimination not accepted		

	e.g. name- calling based on sex, race or personal characters, sexual harassment		
2.	Employees instructed properly for right working methods		
3.	Employees are informed of changes that concern them or their work		
4.	Employees have given a chance to express their opinions and ideas of their work and improvements in health and safety		
5.	Employees receive regular feedback on their success		
6.	Supervisors give support when problems arise		
7.	Supervisors act fairly		
First Aid And Emergency Preparedness		Yes	No
1.	Proper first- aid equipment available		
2.	Trained employees to give first- aid available		
3.	Actions in a fire or other emergency scenes planned, instructed and rehearsed.		
Welfare Facilities		Yes	No
1.	Proper facilities for employees to change cloths, eat, and rest available.		
2.	Cleaned daily		
Safety Management Systems & Records			
	the daily reports		
	Reports of meetings		
	Risk assessment		
	Work permit system		
	Job Hazards analysis JHA		
	Accident Investigation		
	Emergency and evacuation plan		

Project Name:	Project Location:
Inspected By:	Date:
Signature	