



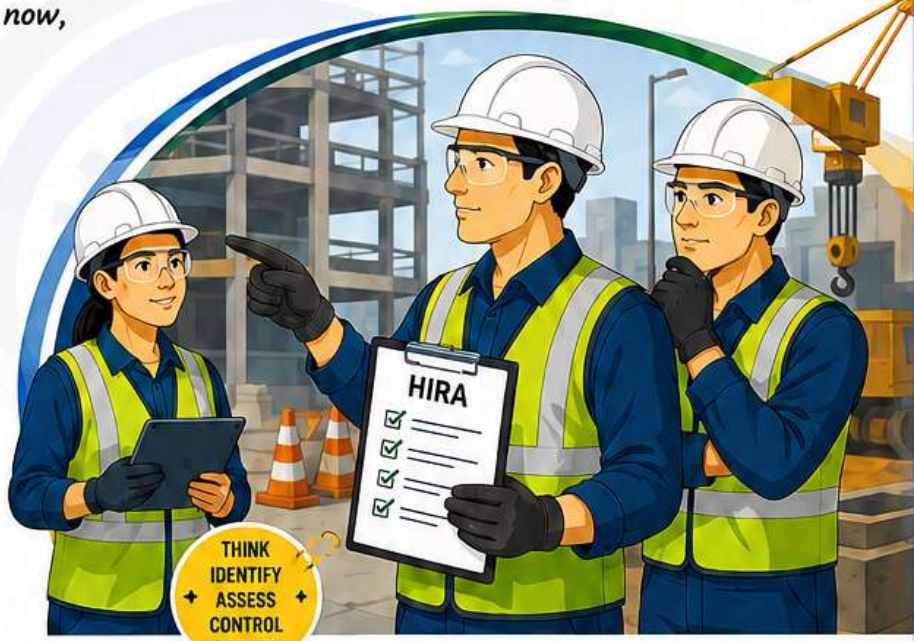
02. HAZARD IDENTIFICATION & RISK ASSESSMENT (HIRA)

Identify hazards today, control risks now, prevent incidents tomorrow.

WHY THIS MATTERS

Hazard Identification & Risk Assessment (HIRA) helps us understand what can go wrong, how it can happen, and what we can do to prevent injury, illness, damage or loss.

It is the foundation of all safe work.



**THINK
IDENTIFY
ASSESS
CONTROL
REVIEW**

COMMON WORKPLACE HAZARDS

- PHYSICAL**
Slips, trips, falls, noise, vibration, machinery, electricity, heat/cold.
- CHEMICAL**
Exposure to chemicals, fumes, dusts, spills, leaks.
- BIOLOGICAL**
Bacteria, viruses, moulds, contaminated materials.
- ERGONOMIC**
Manual handling, repetitive tasks, awkward postures, poor workstation.
- PSYCHOSOCIAL**
Stress, fatigue, workload, workplace violence, bullying.
- ENVIRONMENTAL**
Weather, ventilation, lighting, waste, pollution.

HIRA PROCESS – 5 SIMPLE STEPS



RISK RATING GUIDE

LIKELIHOOD	CONSEQUENCE				
	INSIGNIFICANT (1)	MINOR (2)	MODERATE (3)	MAJOR (4)	CATASTROPHIC (5)
ALMOST CERTAIN (5)	5	10	15	20	25
LIKELY (4)	4	8	12	16	20
POSSIBLE (3)	3	6	9	12	15
UNLIKELY (2)	2	4	6	8	10
RARE (1)	1	2	3	4	5

Assesses the risk, apply controls, and reduce the risk to As Low As Reasonably Practicable (ALARP).

HIERARCHY OF CONTROLS – Always apply the highest level practicable



DID YOU KNOW?
Most incidents occur because hazards were not identified or risks were not properly assessed.

DISCUSSION QUESTIONS

1. What hazards exist in our work area?
2. What could happen if we don't control them?
3. What controls are already in place?
4. What additional controls can we implement?



PRACTICAL TIPS

- ✓ Always conduct HIRA before starting any task.
- ✓ Involve the people who do the job.
- ✓ Consider worst-case scenarios.
- ✓ Observe the workplace and ask questions.
- ✓ Document your findings.
- ✓ Review HIRA when work, equipment, or conditions change.

A good HIRA today prevents an incident tomorrow.

SUPERVISOR SIGN-OFF

Discussed with crew by: _____ Date: _____

SAFETY MESSAGE

Good risk assessment is not just about the paperwork. It's about protecting people.



safe workplace, safer workforce