

Hazard Identification and Design Risk Assessment

Rev 01 : May 2025

	Project No. 25714	Assessment of Hazard (Severity) 5 – Death (death/multiple deaths) 4 – Long term health consequence (disabling injury/chronic illness) 3 – Short term health consequence (restricted work activity, strains/sprains) 2 – No significant health & safety consequence (first aid) 1 – No health & safety consequence Assessment of Risk (Likelihood) 5 – Highly 4 – Probable 3 – Possible 2 – Remote, Unlikely 1 – Highly unlikely (near negligible)	S E V E R I T Y	5	M	M	H	H	H
	Project: RUH OPD Rewire			4	M	M	M	H	H
	Discipline: Electrical			3	L	M	M	M	H
	PSDP: Varming Consulting Engineers			2	L	L	M	M	M
	Prepared By: Keith Murphy			1	L	L	L	M	M
	Date: 27/08/2026			1	2	3	4	5	
Checked By: Joe Greene	LIKELIHOOD								
Design Stage: Planning ☐ Tender ☒ Construction ☐ Maintenance ☐									

No.	Associated Risk Outline any risk associated with the identified hazard	Identified Hazards Outline what the potential to cause harm is (to workers or members of the public)	Initial Risk Rating Prior to mitigation process L= Low M= Medium H= High			Design Action to Eliminate / Mitigate the Risks Principally contain actions that the design team are going to implement. a) Can the risk be avoided in so far as is reasonably practicable by changing the design or specification? b) Can the risk be reduced in so far as is reasonably practicable by changing the design or specification? c) If the final risk rating is still significant, explain why and what others need to do to minimise the risk. Apply the General Principles of Prevention to the design Design controls to be included in specification or on drawings as appropriate. Designers should avoid instructing the PSCS or Contractors as to how residual risks are controlled on site unless the control measure is intrinsic to the design.	Residual Risk Rating after mitigation process L= Low M= Medium H= High			Population Exposed -Outline who will be affected: - Contractor - Maintenance - Public - End User - Others – list who will be exposed	Information to be forwarded to other Designers Information to be forwarded to PSCS Information to be forwarded to the Contractors
			Severity	Likelihood	Risk		Severity	Likelihood	Risk		

A) Particular Risks as set out in Schedule 1 of the Safety, Health & Welfare at Work (Construction) Regulations, 2013

1A	Work which puts persons at work at risk of falling from a height where the risk is particularly aggravated by the nature of the work or processes used or by the environment at the place of work or construction site	Hazard Present: Yes Risk of fall from a height during the access and installation of services.	5	4	H	Contractors to provide suitable working platforms, wear the necessary PPE and take all safety precautions. Appropriate measures should be taken for the installation of services at high level. Working platforms should be installed to provide a safe footing from which work can be performed. Protection should be provided to protect those working below from dropping objects. All relevant work must comply with the Safety, Health and Welfare (Construction) Regulations.	5	2	M	☒ Contractor ☐ End User ☐ Maintenance ☐ Public ☐ Other -	
1B	Work which puts persons at work at risk of burial under earthfalls where the risk is particularly aggravated by the nature of the work or processes used or by the environment at the place of work or construction site	Hazard Present: No				Action Required				☐ Contractor ☐ End User ☐ Maintenance ☐ Public ☐ Other -	
1C	Work which puts persons at work at risk of engulfment in swampland where the risk is particularly aggravated by the nature of the work or processes used or by the environment at the place of work or construction site.	Hazard Present: No								☐ Contractor ☐ End User ☐ Maintenance ☐ Public ☐ Other -	
2	Work which puts persons at work at risk from chemical or biological substances constituting a particular danger to the safety and health of such persons or involving a statutory requirement for health monitoring	Hazard Present: No No Hazard Identified				No Action Required				☐ Contractor ☐ End User ☐ Maintenance ☐ Public ☐ Other -	
3	Work with ionising radiation requiring the designation of controlled or supervised areas as defined in Directive 96/29/Euratom	Hazard Present: No								☐ Contractor ☐ End User ☐ Maintenance ☐ Public ☐ Other -	
4	Work near high voltage power lines	Hazard Present: No								☐ Contractor ☐ End User ☐ Maintenance ☐ Public ☐ Other -	

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	Project: RUH OPD Rewire			4	M	M	M	H	H
	Discipline: Electrical			3	L	M	M	M	H
	PSDP: Varming Consulting Engineers			2	L	L	M	M	M
	Prepared By: Keith Murphy			1	L	L	L	M	M
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			Severity	Likelihood	Risk		Severity	Likelihood	Risk		
5	Work exposing persons at work to the risk of drowning	Hazard Present: No								☐ Contractor ☐ End User ☐ Maintenance ☐ Public ☐ Other -	
6	Work on wells, underground earthworks and tunnels	Hazard Present: No								☐ Contractor ☐ End User ☐ Maintenance ☐ Public ☐ Other -	
7	Work carried out by divers at work having a system of air supply	Hazard Present: No								☐ Contractor ☐ End User ☐ Maintenance ☐ Public ☐ Other -	
8	Work carried out in a caisson with a compressed-air atmosphere	Hazard Present: No								☐ Contractor ☐ End User ☐ Maintenance ☐ Public ☐ Other -	
9	Work involving the use of explosives	Hazard Present: No								☐ Contractor ☐ End User ☐ Maintenance ☐ Public ☐ Other -	
10	Work involving the assembly or dismantling of heavy prefabricated components	Hazard Present: No								☐ Contractor ☐ End User ☐ Maintenance ☐ Public ☐ Other -	

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Project No.25714

Project:RUH OPD Rewire

Discipline:Electrical

PSDP:Varming Consulting Engineers

Prepared By:Keith Murphy

Date:27/08/2026

Checked By:Joe Greene

Design Stage:

Planning☐

Tender☒

Construction☐

Maintenance☐

Assessment of Hazard (Severity)

5 – Death (death/multiple deaths)

4 – Long term health consequence (disabling injury/chronic illness)

3 – Short term health consequence (restricted work activity, strains/sprains)

2 – No significant health & safety consequence (first aid)

1 – No health & safety consequence

Assessment of Risk (Likelihood)

5 – Highly

4 – Probable

3 – Possible

2 – Remote, Unlikely

1 – Highly unlikely (near negligible)

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			Severity	Likelihood	Risk		Severity	Likelihood	Risk		

B) Designers Assessment of Safety during Construction and Maintenance taking account of the Principles of Prevention (in addition to those set out in Schedule 1 of the Safety, Health & Welfare at Work (Construction) Regulations, 2013)

1.	Works in the Public Realm	Hazard Present: The risk is that of accidental injury to members of the public or Garda Station Staff.	3	3	M	As far as possible the Contractor is to ensure public safety is prioritised during the construction works. Ensure that the work area is properly hoarded off to prevent any unauthorised access and to protect the public from the activities on site.	3	2	M	☐ Contractor ☒ End User ☐ Maintenance ☐ Public ☐ Other -	
2.	Danger of loss of vital building services incl. building power, water, heating, cooling, medical gases, ventilation, due to tie-ins and connection to existing systems.	Hazard Present: The risk is that of accidental or intentional interruption of vital services to the operation of the existing building.	4	3	M	As the hazard cannot be avoided it must be controlled. Where the works involve interconnection with, diversion, relocation or disturbance to existing services, adequate care must be exercised at all times to ensure the safety of personnel and the continuity of supply of services to the Garda Station. Method statements are required from the Contractor describing in detail the effected services and the measures to be adopted to provide adequate protection and continuity of services and to ensure their integrity for the duration of the works	4	2	M	☐ Contractor ☒ End User ☐ Maintenance ☒ Public ☐ Other -	
3.	Manual handling.	Hazard Present: This could result in personal injury	4	3	M	Lifting to be carried out by trained and qualified personnel. Mechanical aids to be used when required. Method statements to be provided for task specific works and Contractor to assess risk.	4	2	M	☒ Contractor ☐ End User ☐ Maintenance ☐ Public ☐ Other -	
4.	Heavy plant items lifting and crange.	Hazard Present: This could result in personal injury and fall from height.	5	3	H	Design team to provide information to contractor as part of tender documentation to enable them to include for all necessary lifting equipment.	5	2	M	☒ Contractor ☐ End User ☐ Maintenance ☒ Public ☐ Other -	
5.										☐ Contractor ☐ End User ☐ Maintenance ☐ Public ☐ Other -	