Logo	Nail Gun Use (Pneumatic) – Hazard Identification & Risk Assessment	Doc Ref #: XYZ/IMS/HSE/F/00 Issue Date: DD-MM-YYYY Rev #: 00
	QHSE Forms	
	Organization Name	

Assessment #		**Project Name**			
Project Site		**Assessed By**			
Activity	Pneumatic Nail Gun usage at workplace	**Assessed On**		**Re-Assessment**	

S/#	Hazards	Corresponding Risks/ Hazard Effects	Risk Level			Control Measures	Residual Risk	Responsible Person
			L	S	R.L			
1	Electric Shock due to use of faulty equipment or working near overhead power lines.	- Skin burns - Injuries - Death - Tissues damage - Spasm - Cardiac arrest - Voluntary effect - Secondary injuries due to fall from height after receiving electric shock	3	3	9	- The equipment should be inspected before use, maintained by the competent technician. - The circuit brakers should be used to protect the worker in case of accident. - Workers should be provided with rubber gloves when working with electrically powered machinery. - Training and development of the workers performing job with electrical equipment. - Avoid working near the power lines. - Use of reduced voltage to protect worker.	2x2 = (4)	HSE Officer Site Supervisor Site Foreman
2	Shearing & cutting	- Nail passing through the body part, damaging tissues, crushing the tissues as well as breaking the bones. - The rotating parts at great speed can also damaged the	3	2	6	- Ensure the guards are installed. - Guards are not modified neither removed. - Identify and mark the sharing or cutting points. - Ensure any loose clothing, jewelry, rings are removed.	2x1 = 2	HSE Officer Site Supervisor Site Foreman Operator

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			L	S	R.L			
		body parts because their speed is too fast, and escape from accident becomes impossible.				- Ensure warning labels and safety signs are placed. - Don't use any machinery if the guards are removed or not available. - Remove power plug when equipment is not use. - Use PPEs.		
3	Ergonomics	- Poor posture leading to body pain - Strain - Back pain - Neck pain - Work Related Upper Limb Disorder - Vibration	2	5	10	- Ensure the workstation is of accurate height. - The work posture is accurate and straight. - Use assistance/mechanical aid to lift load. - Maintain work equipment to reduce vibration effect. - Work rotation to reduce ergonomics effect. - Ensure the workplace lighting is appropriate to reduce the eye strain.	1x3 = 3	HSE Officer Site Supervisor Site Foreman
4	Slip, Trip, and Fall	- Injuries - Broken bones - Fractures	2	3	6	- Avoid working at slippery surfaces - Remove the accumulated waste immediately. - Clean the working surface if spillage has been done. - Provide fall protection when working at height. - Keep the wires at side to avoid trip and fall. - Adopt safe route for commute with load. - Remove the uneven flooring. - Provide appropriate level of lighting.	1x3 = 3	HSE Officer Site Supervisor Site Foreman Workers

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			L	S	R.L			
5	Fire and Explosion	- Burn - Injuries - Damage to equipment	4	3	12	- Ensure the work equipment is well maintained and safe for use by the workers. - The electrical cord of the equipment is insulated and in good condition, not worn off. - Ensure the flammable material is not present near the working area. - Ensure the work area is well ventilated to avoid the buildup of explosive atmosphere. - Avoid usage off the damaged equipment, remove the damaged equipment from worksite. - Ensure the minimum quantity of flammable material is stored on the worksite.	2x3 = 6	HSE Officer Site Supervisor Site Foreman Workers
6	Noise	- Hearing loss due to noise produced during nail impact on object surface	3	3	9	- Ensure the workforce has a well-maintained equipment. - The noise making components are repaired and removed, if possible, to installed less noise producing components. - Ensure workers are using ear protection/ ear plugs/ ear muffs to protect themselves when using nail gun. - Work rotation to decrease the exposure time.	2x3 = 6	HSE Officer Site Supervisor Site Foreman Workers
7	Vibration	- During use of equipment, worker can be exposed to	3	5	15	- Work rotation to reduce exposure time. - Regular brakes to reduce exposure time. - Maintenance of the equipment by technician.	2x3 = 6	HSE Officer Site Supervisor Site Foreman

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		vibration effect produced during the nail impact.				- Use of portable stand to mount equipment and avoid vibration effects.		Workers

Likelihood	Severity				
	Insignificant (1)	Minor (2)	Moderate (3)	Major (4)	Catastrophic (5)
Rare (1)	1	2	3	4	5
Possible (2)	2	4	6	8	10
Likely (3)	3	6	9	12	15
Often (4)	4	8	12	16	20
Frequent/ Certain (5)	5	10	15	20	25

Risk	Risk Level	Required Actions
15-25	Extreme Risk	Activity or industry must no proceed forward in this case.
8-12	High Risk	Activity or industry should be modified to include remedial planning and collection and be subject to detailed EHS Risk Assessment.
4-6	Moderate Risk	Activity or industry can operate subject management and/ or modification.
1-3	Low Risk	**No Action** required, unless risk level escalation is possible.

Likelihood	Frequency		Likelihood
	Environment	Health and Safety	
Certain/ Frequent	Continuous or will happen frequently	Occurs frequently	5
Very Likely/Often	5-12 times per year	Occurs several times a year	4
Likely/Probable	1-5 times a year	Has occurred more than once	3
Possible	Once every 5 years	Has occurred	2
Impossible/Rare	Less than once every 5 years	Never occurred	1

Prepared By	Approved By