

Logo	Roof Gutter Cleaning – 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		Designation	
Assessed On		Re-Assessment		Designation		Designation	

S/#	Activity	Hazard	Corresponding Risk/ Hazard Effects	Risk Level			Control Measures	R . R	Responsible Person
				L	S	R.L			
1	Work At height	Fall from height	- Injury, broken bones, due to fall from height - Harm to public around due to falling objects, and tools.	3	3	9	- Avoid working at height. - Use proper platform for work. - Use guard rails to protect the roof edges. - Inspection should be done before start of job. - Safety harness and safety net should be used. - Competent workforce should be used for work. - Method Statement should be developed and instruction should be given. - Lone working should be discouraged. - Permit To Work should be used for work activity. - Workers should be provided with PPEs. - Appropriate tools should be used for job. - Suitable means of access to roof should be provided. - Access ladder should be placed against the wall correctly maintaining angle of 75°.	1x3 = (3)	Project Manager HSE officer Site Supervisor

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							- Scaffolding should be sited on firm, even ground. - Safety signs and barriers should be placed to alert others about the ongoing activity and associated hazards. - Emergency action plan should be available.		
		Falling objects and tools Debris falling	- Injury to workers working on ground. - Injury to public moving around the work place. - Fracture and death	3	3	9	- Area around the workplace should be barricaded. - Safety signs should be placed to alert people and workers about ongoing activity and corresponding hazards. - Workers must use tool pouch/ holster to secure tools when working on top. - Tools can be attached to body using lanyard. - Working platforms and roof edges should be provided with Toe Boards to prevent the fall of rolling objects. - Stack and securer the objects debris, tools away from edge. - Workers working on ground shouldn't work beneath edge of roof. - Workers on ground should wear PPEs including head protection.	1x3= (3)	Project Manager HSE officer Site Supervisor

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3	Working in extreme weather condition	Musculoskeletal injuries, dehydration	- Work in high winds can lead to fall from height. - Working in hot weather can lead to excessive sweating, dehydration, which ultimately causes unconsciousness and death too. - Working in cold environment can lead to hypothermia, frostbite, which leads to death too.	4	2	8	- Weather conditions must be evaluated before commencement of job. Meteorological services should be used for this purpose. - Site supervisor and site engineer should consult with the HSE department and plan the activities accordingly. - Organization must provide PPEs for the work according to the nature of work. Working in Hot Environment - For hot environment, work should be executed when temperature is lower than usual. - Welfare facilities provision. e.g., cold water, shelter, dining facilities, etc. - Work should be divided into parts with regular breaks to ensure workers take rest during high temperature. - Skin creams should be used to avoid skin burn. - Workers should be instructed to avoid working in high temperature. - Workers should be familiar with working in hot weather procedure. They should be allowed to take break and drink water frequently to keep themselves hydrated. Cold Weather	2x1= (2)	Project Manager HSE officer Site Supervisor

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							- Workers should be instructed before start of job. - Welfare facilities should be provided; e.g., hot beverages, heated rooms, rest areas etc. - Special work suit should be provided for the workers to work in cold weather.		
4	Nearby Traffic & Pedestrians Movement	Hit by falling object Collision with moving vehicles	- Pedestrians hit by falling objects, can lead to head injury or death. - Workers can collide with the passing by traffic leading to accident. - Loss of property is also possible if car collide with structure.	3	3	9	- The area around the worksite should be barricaded. Safety signs should be placed at the worksite to alert others. - Traffic should be diverted to the other route if possible. - Pedestrians should be restricted from entering the area. - Safety chutes should be installed to prevent the debris or tools falling on the public. - Work should be planned and executed when it is not busy or public is not around. - Pedestrian's route should be segregated and monitored.	3x1= (3)	Project Manager HSE officer Site Supervisor
5	Lone Working	Medical Problem Contact with electrical services	- Worker can suffer medical problems. - Accidentally worker can come into contact with live electrical wiring and	3	5	15	- Don't perform the task when alone. - Supervision must be provided during the work in remote location.	2x2= (4)	Project Manager HSE officer Site Supervisor

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		Violence onsite	electrocution can take place. - Onsite violence with lone worker can lead to severe consequences.				- Those areas where supervision is not accessible, contact devices should be provided for maintaining constant contact. - Supervising person must keep an eye on lone working. - Interval checking is mandatory. - Emergency contact should be readily available.		
6	Work at height near power lines	Contact with power lines	- Contact with power lines can lead to electrocution that can cause heart attack, burns, electrocution, and death also. - Worker can fall from height due to electric shock, leading to injuries, and death as secondary effects.	3	3	9	- Reroute the power lines if possible. - Maintain safe distance from the power lines. - Ensure workers are wearing protective PPEs. - Emergency action plan should be available all the time. - Medical team should be available nearby. - Work at this location should be subject to PTW. - Metal objects or tools usage near power lines is forbidden by law. Their use must be discouraged. - Trained and experienced workforce shall be used. - Work area should be earthed and provided with Circuit Brakers to protect the workers if accidental contact is established.	2x2= (4)	Project Manager HSE officer Site Supervisor
7	Work at height on	Fall from fragile height	- The fragile roof can collapse.	3	3	9	- Fragile roofs should be identified. - Work on fragile roof should be limited.	3x2= (6)	Project Manager HSE officer

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	fragile roof work	Fragile roof collapse	- The worker can fell from the height. - Injuries can be suffered leading to death.				- Boards should be used to walk on fragile roof to spread the weight on large area. - Workers should be provided with appropriate PPEs and harness to prevent the fall in case of collapse of structure.		Site Supervisor
8	Working with chemicals	Exposure to asbestos	- Lung's problem - Cancer - Asbestosis	3	3	9	- Workers should be provided with PPEs. - Asbestos risk assessment and method statement should be reviewed and used. - Approved contractor should be consulted to work with asbestos. - Chemicals should be removed and secured on safe site as per regulations.	2x3= (6)	Project Manager HSE officer Site Supervisor

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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

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