	Roof Gutter Cleaning – Hazard Identification & Risk Assessment	Doc Ref #: XYZ/IMS/HSE/F/00
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Assessment #		Project Name				
Project Site		Assessed By	Designation			
Assessed On	Re-Assessmen t	Designation	Designation			

S/#	Activity	Hazard	Corresponding Risk/	Ri	sk Le	vel	Control Measures	R.R	Responsible												
3/#	Activity	пагаги	Hazard Effects	L	S	R.L	Control Measures	N. N	Person												
			- Injury, broken bones, due		-	- Avoid working at height.															
			to fall from height								- Use proper platform for work.										
			- Harm to public around				 Use guard rails to protect the roof edges. 														
			due to falling objects, and				- Inspection should be done before start of job.														
			tools.					- Safety harness and safety net should be used.													
							- Competent workforce should be used for work.														
			- Method Statement should be developed and	- Method Statement should be developed and																	
	Work At	Fall frama baiabt			3 9		instruction should be given.	12	Project Manager												
1	height	Fall from height		3		9	- Lone working should be discouraged.	1x3 = (3)	HSE officer												
	Height						- Permit To Work should be used for work	(3)	Site Supervisor												
							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°.														

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Δ/#	Activity	Tiazaiu	Hazard Effects	L	S	R.L	Control Measures	R.R	Person
							 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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S/#	Activity	Hazard	Corresponding Risk/	/ Risk Level		vel	Control Measures	R.R	Responsible
3/π	Activity	Tiazaiu	Hazard Effects	L	S	R.L	Control Weasures	IX . IX	Person
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 brakes 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. 	2x1= (2)	Project Manager HSE officer Site Supervisor
							Cold Weather		

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3/#	Activity	пагати	Hazard Effects	L	S	R.L	Control Weasures	κ.κ	Person						
							 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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S/#	Activity	Hazard	Corresponding Risk/	Ri	Risk Level		Risk Level		Control Measures		Responsible
3/π	Activity	Tiazaiu	Hazard Effects	L	S	R.L		R.R	Person		
		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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3/#	Activity	пагаги	Hazard Effects	L	S	R.L	Control Measures	к.к	Person
	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 problemCancerAsbestosis	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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	Severity					
Likelihood	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.

Likeliheed	Frequ	Libothood	
Likelihood	Environment	Health and Safety	Likelihood
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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