

Company:		Conduct By (Name/ Designations and Date):	
Project Name:			
Approved By (Name/Designation and Date):	Project Manager: (Name & Sign)	Last Review Date:	00.00.2025
		Next Review Date:	00.00.2026

Ref	Workplace/Activity/ Process/ Equipment/Materials	Hazards	Risks Issue (Possible incident) [What can go wrong] (Accident/ill health to persons, fire or property loss)	Existing Controls	Base Risk Ranking (Without Controls)			Improved Existing Controls / Implementing New Controls	Risk Reduction Action Plan			Follow up by Whom (name) & By When (date)	Controls Implemented	
					L	R	RR		L	R	RR		YES	NO
1	Preparation and going down to the trench	Slip, trip and fall	The workers may get injuries. Equipment failure	All the walk ways must be cleared. Use the ladder for access and the egress. Use the ladder safety; "Three Point Contact".	3	3	9	Do not keep the materials on the walk ways and maintain the good housekeeping before start to work. The involved workers must be attended the proper training.	1	2	2	Project Engineer Project Supervisor Project QHSE Engineer	YES	
2	Marking the piles by using the grinder.	Dust Pollution, Electrical Hazards and the using grinding wheel can be broken.	The workers may get the serious injuries. Cost of huge financial	All the electrical tools and the cables must be checked before use. All the workers must wear the relevant PPE (Face protection, Dust Mask, Proper Hand Gloves, etc...)	3	3	9	The electrical equipment must be inspected by the electrician. Make sure to check the cutting wheel (RPM) must be greater than the grinder (RPM). All equipment for grinding is used in good condition.	2	2	4	Project Engineer Project Supervisor Project QHSE Engineer	YES	
3	Pile hacking manually by using hammer and the chisel	Flying objects. The hammer handle can be broken. The worker may get caught between.	The worker may get the serious injury. Cost of huge financial	Use the relevant PPE (Face protection, eye protection, proper hand gloves, etc...).The co-worker must use the correct tools and check before use. All the tools must be used in good condition.	3	3	9	Do not modify any tools. All the involved workers must be trained and skilled workers. Focus on job, pinch point and line of fire. After hack the pile, make sure to cover the rebar with caps.	2	2	4	Project Engineer Project Supervisor Project QHSE Engineer	YES	
4	Dispose the waste hacking concrete piece from the trench and the carry the sand bags to the trench	Slip, trip and fall from the ladder. Fall from height Falling object	The worker may get injury. Equipment failure. Low back pain	All the walk ways must be cleared at all time. Every worker must wear the proper PPE. Do not allow the overload (Maximum 25kg).	3	3	9	Every involved worker must be trained of manual handling.	2	2	4	Project Engineer Project Supervisor Project QHSE Engineer	YES	
5	Making the concrete with Mixer	Dust pollution Noise pollution. Get caught between the belts.	The worker who operates the mixer may get the serious injury. Permanent disability	Every worker must wear the proper PPE (Dust mask, ear protection, proper hand gloves, etc...). The machine must have the safety guard and must be checked by the supervisor before use.	3	5	15	The machine must be inspected before use. Follow the machine guard safety rules and regulations. Related activities PPE must be worn at all time	2	2	4	Project Engineer Project Supervisor Project QHSE Engineer	YES	
6	Carry and pouring the concrete	Slip, trip and fall. The concrete can be spilled on the body.	The worker may get injury. Low back pain	The walk way must be cleared. Must wear the proper PPE. Supervisor must arrange the manpower when pouring the concrete.	3	5	15	Every worker must keep the good communication with each other when giving the concrete tray from one to one.	2	2	4	Project Engineer Project Supervisor Project QHSE Engineer	YES	
7	General items before leave the work place	Slip, trip and fall	The other operative may get the injury. First aid case	Do not leave and keep the materials on the walk ways. Maintain the daily housekeeping.	4	4	16	Make the hard barrier and display the warning signs around the trench. Make sure to check the rebar are covered with the cabs.	2	2	4	Project Engineer Project Supervisor Project QHSE Engineer	YES	

Note: This Risk Assessment must be reviewed if the execution of a new job or any incident occurred on the work site and also after completing 12 months.

OSH Risk Matrix

Probability	Consequence				
	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/Almost Certain (5)	5	10	15	20	25
15 - 25	Extreme Risk	Activity or Industry Should Not Proceed in Current Form			
8 - 12	High Risk	Activity or Industry should be modified to include remedial planning and action and be subject to a detailed OSH Assessment			
4 - 6	Moderate Risk	Activity or industry can operate subject to management & Modification			
1 - 3	Low Risk	No Action Required Unless Escalation of Risk is Possible			

RISK ASSESSMENT TEAM		
Prepared By	Reviewed By	Approved By
Name:	Name:	Name:
Date:	Date:	Date: