Logo	**CONSTRUCTION COMPANY**			Logo
	JOB SAFETY ANALYSIS			
CLIENT:	**JOB TITLE:** ***Piling & Concrete Work For the Construction of Foundation & Building***			**CONSULTANT:**
Project No.	**Task Order No.**		**Date.**	**01/12/2020**
Project Name.				
Prepared By.	Mr. Manish Kumar			
Approved By.				
Participants.	1.			
	2.			
	3.			
	4.			

JOB STEPS:	
1.	Mobilization Of People, Equipment & Materials
2.	Piling
3.	Lowering of Steel cage Structure
4.	Concreting

Equipment/Tools to be Used:	Piling Machine & Hand Tools.

Contingency Plans. *Standard PPE's: First aid kit must be present at work site, Emergency contact numbers to be in placed at job location*

JSA Review Process. *After the job has been completed, JSA leader should note: any hazards, which were identified in the original JSA? In case of any new hazard indentified by any of the working team member during the job, JSA review process should be carried on.*

Approved By…….. Signature

…….

(**CLIENT:** .....***)*** Date & Time……

JSA No:	**JOB TITLE:** Piling & Concreting Works for the construction of Foundations/Building			
S.NO	**JOB STEP**	**HAZARDS**	**CONSEQUENCES**	**CONTROL MEASURES**
1	Mobilization of equipment & Materials	● Involvement of unskilled personnel	● Personal injury/Accident	● Trained & skilled staff to be authorized for working ● Ensure JSA briefing & Daily TBT to all workforce prior to commence activity
		● Unauthorised/ uninspected equipment/tools at site	● Failure of equipments & tools.	● Only inspected Equipments/Tools must be allowed at work site ● Use right tools for right job
		● Slip, Trip & fall	● Slip and trip can result musculoskeletal injuries & Fractures.	● Take care of overhead structure/pipe racks ● Keep access/walk ways always clear from any obstruction
		● Inclement weather condition	● Workers can hit by Piling machine, equipment and get injured due to fog.	● Stop work in case of any inclement weather conditions (fog etc.) ● Restrict movement of heavy vehicles/equipments in fog

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S.NO	**JOB STEP**	**HAZARDS**	**CONSEQUENCES**	**CONTROL MEASURES**
2	Piling	● Uncertified piling Machine & Operator, ● Collapse of tripod,	● Piling equipment/machine failure. ● Workers can injure by tripod.	● Pile machine & its operator should be certified ● Stand the tripod properly, tripod to be fixed on ground properly. ● Keep away all unauthorized people during movement of heavy vehicle/equipments ● **Be careful of nearby live areas** ● Ensure Close HSE monitoring /supervision
		● Improper barricade	● Entry of unauthorised person. ● Fall of person in Pile.	● Barricade the working area properly
		● Sling broken, load drop	● Fatal/injury due to load drop.	● Ensure proper & inspected accessories being used for drilling ● Ensure that drilling bit is properly fixed with locking pins ● Keep away during drilling operation ● working area should properly barricaded

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S.NO	**JOB STEP**	**HAZARDS**	**CONSEQUENCES**	**CONTROL MEASURES**
		● Noise	● Can cause deafness & psychological imbalance.	● Provide Ear Plug
		● Slip, Trip & fall	● Slip and trip can result musculoskeletal injuries & Fractures	● Ensure proper stacking of all materials at site ● Keep access/walk ways always clear from any obstruction ● Ensure proper housekeeping of workplace all the time
		● Inclement weather condition	● Workers can hit by Piling machine, equipment and get injured due to fog.	● Stop work in case of any inclement weather conditions (Rain, storm, fog etc.) ● Restrict movement of heavy vehicles/equipments in rain/fog
		● Fire & explosion	● Loss of life & Burn due to fire.	● Ensure availability of inspected fire extinguishers at site
3	Lowering of Steel Cage structure	● Personnel hand injury while handling with steel ● People under suspended load ● Unbalancing of load	● Personal injury. ● Hit by suspended load which can result in injury.	● Ensure Involvement of skilled labour ● Ensure use of proper PPE's ● Area should be properly barricaded

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S.NO	**JOB STEP**	**HAZARDS**	**CONSEQUENCES**	**CONTROL MEASURES**
				during lifting operations
		● Poor Housekeeping.	● Poor housekeeping can create unhygienic work place which can leads to growth of insects.	● Ensure proper stacking of all materials at work site ● Maintain good housekeeping all the time
4	Concreting of Piling	● Inappropriate PPE's/Tools during concrete work	● Slip of tools can injure workmen due to inappropriate ppe and tools.	● Use of appropriate PPE's during concrete ● Ensure use of inspected tools for the right job ● Availability of fresh water at site ● First aid box should be in place at site
		● Skin contact with concrete or other chemicals	● Skin contact with concrete can cause blisters, dead or hardened skin.	
5	Working at night shift hours	● Poor visibility at night hours	● Tripping of workers due to Poor visibility	● Ensure proper lighting.