



Risk Assessment

Purpose

To assess the risk of the activities to be executed, rate the risk levels as per the risk assessment matrix, and identify the control measures so as to bring the risk level to as low as reasonably practical

Matrix

<u>OCCUPATIONAL HEALTH & SAFETY RISK MATRIX</u>				
DETERMINE HEALTH & SAFETY CONSEQUENCE				
Likelihood ↓ Consequence → Risk	S1 = NEGLIGIBLE . NO INJURIES OR MINOR FIRST AID REQUIRE	S2 = MARGINAL MODERATE INJURY, MINOR MEDICAL TREATMENT REQUIERE	S3 = CRITICAL SEVER INJURY. EXTENSIVE MEDICAL TREATMENT REQUIERE	S4 = CATASTROPHIC SINGAL OR MULTIPAL FATALITY
	P4 = FREQUENT	SIGNIFICANT	SIGNIFICANT	CRITICAL
P3 = OCCASIONAL	INSIGNIFICANT	SIGNIFICANT	CRITICAL	CRITICAL
P2 = REMOTE	INSIGNIFICANT	SIGNIFICANT	SIGNIFICANT	CRITICAL
P1 = VERY RARE	INSIGNIFICANT	INSIGNIFICANT	INSIGNIFICANT	CRITICAL
RISK	RISK RESPONSE CRITERIA			
INSIGNIFICANT	ACCEPT THE RISK WITH NO PARTICULAR MANAGEMENT CONTROL REQUIRE			
SIGNIFICANT	MITIGATE THE RISK BY IMPOSING EXISTING OR ADDITIONAL MANAGEMENT CONTROL & ACTION AT THE FUNCTIONAL LEVEL TO REDUCE THE RISK			
CRITICAL	RISK IS NOT ACCEPTABLE WITHOUT SPECIFIC & IMMEDIATE MANAGEMENT RESPONSE			



Severity of hazard (Impact)

Severity is the degree or extent of injury or harm caused by the hazards, or as a result of an accident. Severity of hazard is classified as per the table given below.

Impact Descriptions (The highest category will always be used)		
Value	Result of Hazard to Personnel	Result of Hazard to Assets / Progress
S5	Single or multiple Fatality	Catastrophic Damages, Critical Delay
S4	Serious Injury requiring hospitalisation	Major Damages, Serious Delay
S3	Lost Time Accident	Serious Damage, Moderate Delay
S2	Injury requiring Medical Treatment but not Lost Time	Moderate Damage, Minor Delay
S1	First Aid treatment only	Minor Damage, No Delay

4.14.4 Likelihood of occurrence (Probability)

Likelihood of occurrence of an accident or incident or ill health is classified as per the table given below.

Probability Descriptions (The highest category will always be used)		
Value	Status	Description
P5	Inevitable	Happens regularly on this site
P4	Most Likely	Known to have occurred on this site in the Past
P3	Likely	Known to occur on other sites
P2	Unlikely	Known to occur in the industry
P1	Most Unlikely	Never known before