Hazard Identification , Risk Assessment and Determination of Controls

Excellent enviro

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Department:

SR No.	Activity	Sub activity	OH&S Hazards	Risk	Oppurtunity	Applicable Legal Requirements	Potential For Emergency	Existing Controls	Existing risk				Significance	Proposed controls					Objectives & Programs
						Y/N/NA	Y/N/NA		Severity	Probability	Risk rating	Risk Classification	Yes / No	Elimination	Substitution	Engg. Control	Administrative Controls	Personal Protective Equipment	
1	Sampling	Logistic,	Road Accident	Fatelity	Prevention of accident	Y	Y	Trained & Lision holder driver,Use of utility vehicle	1	1	1	Low	Y				Procedure for sample collection EELRC/SC	PPES	(--)
		Sample collection	Falling hazard	Fatelity	Prevention of accident	Y	Y	Used of Safety Belt	1	1	1	Low	Y				Procedure for sample collection EELRC/SC	PPES	(--)
			Contact with exteranal surface	COVID infection	-	Y	Y	Used of Safety PPE like gloves, mask,sanitizer and mantaning social	2	3	6	High	Y				Use of PPE and mantining social distance		COVID Prevantion SOP
2	Receipt of Sample	Ckecking of sample condition	Contact with effluent due to can leakage	Skin irritation	NA	N	N	No controls	1	3	3	Medium	N				Procedure for sample collection EELRC/SC	PPES	(--)
			Contact with exteranal surface	COVID infaction	-	Y	Y	Used of Safety PPE like gloves, mask,sanitizer and mantaning social distance	2	3	6	High	Y				Use of PPE and mantining social distance		COVID Prevantion SOP
3	Sample Analysis	Chemical Analysis	Contact with chemicals	Skin irritation	Prevention of accident	Y	N	Used of PPES	1	1	1	Low	Y						
			Inhekiation of chemical fumes	Lung infection	Prevention of accident	Y	N	Used of PPES	1	1	1	Low	Y				Quality Test Procedures EELRC/QTP	PPES	
			Splash of chemicals	Skin burn, eye injury	Prevention of accident	Y	N	Used of PPES	1	1	1	Low	Y						
			Breakage of glassware	Cut Injury	Prevention of accident	NA	N	Used of PPES	1	1	1	Low	N						Training for handling of glasswares
			Electrical Shock	Electrical Shock	Prevention of accident	Y	N	Earthing provides	1	1	1	Low	N			Periodical cheaking			
4	Chemical Storage	Storage & Handling	Chemical Fired	Fatelity	Prevention of Fire	Y	Y	Provision of fire extinguisher &Trend fire fights	1	1	1	Low	N				Prepare emergancy prepadness plan	NA	(--)
			Spillage of chemicals	Skin,Physical Injury	Prevention of accident	Y	Y	Seconday contaminant & Spill kit available	1	1	1	Low	N	NA	NA	NA	Prepare emergancy prepadness plan	NA	(--)
			Contact with exteranal surface	COVID infaction	-	Y	Y	Used of Safety PPE like gloves, mask,sanitizer and	2	3	6	High	Y				Use of PPE and mantining social distance		COVID Prevantion SOP
5	Gas Storage	Cylinder handling & Storage	Falling hazard	Physical Injury	Prevention of accident	Y	N	Chain system for cylinder storage	2	3	6	High	Y	NA	NA	NA	NA	NA	Cylinder handling trolly
			Contact with exteranal surface	COVID infaction	-	Y	Y	Used of Safety PPE like gloves, mask,sanitizer and	2	3	6	High	Y				Use of PPE and mantining social distance		COVID Prevantion SOP
6	Reports preparation	Reporting	Exploser to radiati	Eye stress	(--)	N	N	Low rediation screen	1	1	1	Low	N	NA	NA	NA	NA	NA	NA
			Contact with exteranal surface	COVID infaction	-	Y	Y	Used of Safety PPE like gloves, mask,sanitizer and	2	3	6	High	Y				Use of PPE and mantining social distance		COVID Prevantion SOP
7	Electrical Room	Distribution & Server	Short circuit	Electric fire	Prevention of accident	Y	N	Fire extinguisher provided	1	1	1	Low	Y	NA	NA	NA	Procedure for fire prevention	NA	NA
			Contact with exteranal surface	COVID infaction	-	Y	Y	Used of Safety PPE like gloves, mask,sanitizer and	2	3	6	High	Y				Use of PPE and mantining social distance		COVID Prevantion SOP

Severity rating	Description	Explanation
1	less severe	First aid case, minor injury or minor illness
2	Moderately severe	fracture, recovery within one month, recoverable injury or health condition
3	Highly severe	permanent disability or illness, fatality

Probability	Description	Explanation
1	low	ances of hazards(once in a month or no past inc
2	moderate	hazards can happen once in a week
3	high	zards can happen every time activity is perform

MATRIX

Severity \ Probability	1	2	3
3	3/M	6/H	9E
2	2/L	4/M	6/H
1	1/L	2/L	3/M

Sr.no	Review date	Review remark
1	10-01-2021	Hazards of COVID infication added
1	10-01-2021	Reviewed No change
1	10-01-2022	Reviewed No change

Abbreviations

NR	Not Required
NA	Not Applicable
Y	Yes
N	No
NFT	Not Feasible Technically
NFE	Not Feasible Economically