



## SUNRISE AUTOMATION

### HAZARD IDENTIFICATION, RISK ASSESSMENT AND RISK CONTROL REGISTER (HIRA)

DOC NO :- SA-ELE-11  
 DOC REV NO :-02  
 DOC REV DATE :-11/01/2022  
 PLANT :-GUT NO.22 PLOT NO.5  
 PAGE NO :- 1 OF 1

ACTIVITY :- ELECTRICAL WIRING AND PLC PROGRAMMING			RISK IDENTIFICATION			RISK EVALUATION																	
ACTIVITY	SUB-ACTIVITY	R/NR	HAZARD	RISK	LEGAL	CONSEQUENCES	PROBABILITY	RESULTANT	SIG. HIRA NO.	OCP NO.	PRESENT CONTROL			ARE PRESENT CONTROL ADEQUATE IF NO. OHSAS OBJECTIVE	OHSAS OBJECTIVE MP NO.	ADDITIONAL CONTROLS			RESIDUAL RISK				
											EC	AC	PPE			OPERATIONAL CONTROL INTRODUCED THROUGH MP			C	P	RESULTANT		
1) ELECTRICAL WIRING	OFFLINE PLC CONTROL WIRING	R	FINGER PINCH DUE TO CRIMPER	INJURY	N	1	1	1					SAFETY SHOES & HAND GLOVES	Y									
		R	FINGER CUTS DUE TO CUTTER	INJURY	N	1	1	1					SAFETY SHOES & HAND GLOVES	Y									
	OFFLINE PANEL WIRING	R	FINGER CUTS DUE TO CUTTER	INJURY	N	1	1	1					SAFETY SHOES & HAND GLOVES	Y									
		R	BRUSHED OF FINGERS DUE TO CRIMPING	INJURY	N	1	1	1					SAFETY SHOES & HAND GLOVES	Y									
	OFFLINE SENSOR/LIMIT SWITCH/FIELD WIRING	R	FINGER CUTS DUE TO CUTTER	INJURY	N	1	1	1					SAFETY SHOES & HAND GLOVES	Y									
		R	FINGER PINCHE DUE TO WRONG FITMENT	INJURY	N	1	1	1					SAFETY SHOES & HAND GLOVES	Y									
2) PLC PROGRAMMING	PLC PROGAMMING AS PER REQUIREMENT	R	MACHINE ACCIDENT DUE TO WRONG PROGRAMMING	INJURY	N	1	1	1					SAFETY SHOES & HAND GLOVES	Y									
		R		INJURY	N	1	1	1					SAFETY SHOES & HAND GLOVES	Y									
	R																						
	R																						

R	ROUTINE	P	PROBABILITY
NR	NON-ROUTINE	C	CONSEQUENCES

RATING	POO	CONSEQUENCES OF HARM	
		INJURY	ILL HEALTH
1	UNLIKELY	INJURY NOT CALLING FOR ANY FIRST AID TREATMENT	ILLNESS HAVING MOMENTARY DISCOMFORT
2	LIKELY	INJURY CALLING FOR FIRST AID TREATMENT	ILLNESS DUE TO ACUTE EXPOSURE OR HOSPITALISATION FOR MORE THAN 48 HRS
3	VERY LIKELY	INJURY LEADING TO TEMPORARY / PERMANENT DISABILITY	ILLNESS DUE TO CHRONIC EXPOSURE HAVING LAST LONG EFFECT

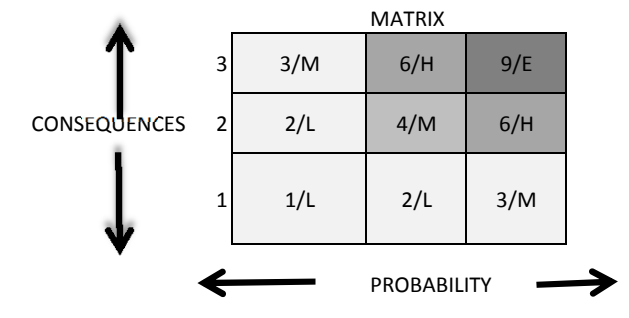


ABB	DESCRIPTION	INPUT FOR
EL	ELIMINATION	MP
S	SUBSTITUTION	MP
EC	ENGINEERING CONTROL	MP
AC	ADMIN CONTROL	OCP
PPE	PERSONAL PROTECTIVE EQUIPMENTS	OCP

PREPARED BY :- VITTHAL PHULMANTE DESIGNATION :- ENGINEER DATE :- 11/01/2022	APPROVED BY :- SHEKHAR GUDHEKAR DESIGNATION :- M.D. DATE :- 11/01/2022
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