



PHARMA DEVILS

ENVIRONMENT HEALTH SAFETY DEPARTMENT

HAZARD IDENTIFICATION AND RISK ASSESSMENT

Department: Eye Drop Manufacturing in Three Piece **Date:**

HIRA Team: **Location:**

S.No.	Activity	Sub-Activity	Hazard	N/A/E	Risk	Existing control Measure	Risk Considering existing control measure			Addition control measures to bring risk to (ALARP level)	Residual risk after applying additional control measures			Remarks (if Any)
							Frequency	Severity	RPN (F*S)		1. Elimination 2. Substitution 3. Engg. Control 4. Administration 5. PPE' s	Frequency	Severity	
01	Eye Drop Manufacturing in Three Piece	Assembly of Mixing Tank , Holding Tank , Filling & Sealing Machine	<ul style="list-style-type: none"> Defective tools Sharp edges. Electrical hazards 	A	<ul style="list-style-type: none"> Musculoskeletal disorder. Electrocution Entanglement Slip & trip. Struck by an object. 	35	3	2	6	345	3	1	3	



PHARMA DEVILS

ENVIRONMENT HEALTH SAFETY DEPARTMENT

HAZARD IDENTIFICATION AND RISK ASSESSMENT

02	Eye Drop Manufacturing in Three Piece	Shifting machine from zero level to 1 st floor.	<ul style="list-style-type: none"> Hydras Crane Defective lifting tools & tackles. Inexperienced riggers Suspended load. Inexperienced signal man. 	E	<ul style="list-style-type: none"> Struck by an object. Slip & trip Failure of lifting tools & tackles. Toppling of hydras & cranes due to uneven ground. 	345	4	3	12	2345	4	2	8	-
03	Eye Drop Manufacturing in Three Piece	Handling and storage of material.	<ul style="list-style-type: none"> Sharp edges Manual handling. Shifting by trolley Poor housekeeping Lack of space 	A	<ul style="list-style-type: none"> Back injuries Cut injuries Slip & trip Fall of material Entanglement Struck by an object. 	45	3	2	6	345	3	1	3	-



PHARMA DEVILS

ENVIRONMENT HEALTH SAFETY DEPARTMENT

HAZARD IDENTIFICATION AND RISK ASSESSMENT

04	Eye Drop Manufacturing in Three Piece	During charging material (CIP/SIP) and (WFI Into Mixing Tank - Holding Tank)	<ul style="list-style-type: none"> • Sharp edges • Lack of space • Spillage • Heated pipelines • Improper joints in pipe line • Leakage • Electrocutio n • Gas Leakage • Heated pipelines • Improper insulation. 		<ul style="list-style-type: none"> • Burn injuries. • Fire. • Leakage • Cut injuries • Control valve not functioning properly • Explosion / Burst • Electric shock 	34	4	3	12	345	3	2	6	-
05	Eye Drop Manufacturing in Three Piece	After charging the material in Filling & Sealing Machine	<ul style="list-style-type: none"> • Heat • Unguarded rotating parts • Poor housekeeping • Lack of space 	A	<ul style="list-style-type: none"> • Back injuries • Cut injuries • Slip & trip • Entanglement • Struck by an object. 	34	3	2	6	345	3	1	3	-



PHARMA DEVILS

ENVIRONMENT HEALTH SAFETY DEPARTMENT

HAZARD IDENTIFICATION AND RISK ASSESSMENT

06	Eye Drop Manufacturing in Three Piece	Visual, Labeling and packing on conveyor belt.	<ul style="list-style-type: none"> Defective tools Sharp edges. Electrical hazards 	A	<ul style="list-style-type: none"> Musculoskeletal disorder. Electrocution. Entanglement. Slip & trip. Struck by an object. 	35	3	2	6	345	3	1	3	-
07	Eye Drop Manufacturing in Three Piece	Cleaning and maintenance of equipments & Machines	<ul style="list-style-type: none"> Sharp edges Manual handling. Shifting by trolley Poor housekeeping Lack of space 	A	<ul style="list-style-type: none"> Back injuries Cut injuries Slip & trip Fall of material Entanglement Struck by an object. 	35	3	3	9	345	3	2	6	-



PHARMA DEVILS

ENVIRONMENT HEALTH SAFETY DEPARTMENT

HAZARD IDENTIFICATION AND RISK ASSESSMENT

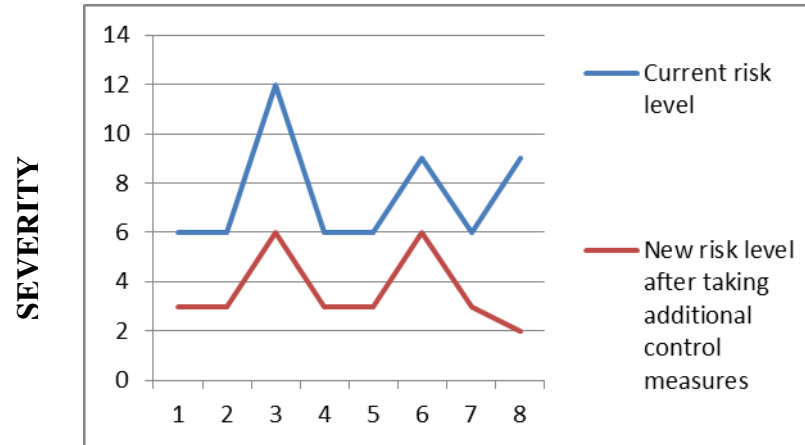
08	Eye Drop Manufacturing in Three Piece	Cleaning and maintenance of equipments & Machines	<ul style="list-style-type: none"> Defective tools Sharp edges. Electrical hazards 	A	<ul style="list-style-type: none"> Musculoskeletal disorder. Electrocution. Entanglement. Slip & trip. Struck by an object. 	35	3	2	6	345	3	1	3	-
09	Eye Drop Manufacturing in Three Piece	Entry, Exit way.	<ul style="list-style-type: none"> Uneven floor Poor housekeeping Improper electrical lines 	A	<ul style="list-style-type: none"> Musculoskeletal disorder. Electrocution. Entanglement. Slip & trip. Struck by an object. 	35	3	3	9	345	2	1	2	-



PHARMA DEVILS

ENVIRONMENT HEALTH SAFETY DEPARTMENT

HAZARD IDENTIFICATION AND RISK ASSESSMENT



Frequency

MATRIX

SEVERITY	5	5	10	15	20	25
	4	4	8	12	16	20
	3	3	6	9	12	15
	2	2	4	6	8	10
	1	1	2	3	4	5
	0	1	2	3	4	5

Frequency

LOW
MODERATE
HIGH



PHARMA DEVILS

ENVIRONMENT HEALTH SAFETY DEPARTMENT

HAZARD IDENTIFICATION AND RISK ASSESSMENT

REVISION HISTORY - HIRA Register

Revision No.	Date	Reason for change	Originator (Leader)	Approval
		New Document	Plant/Functional Manager	Plant/Functional Head

Distribution: Leader /plant/functional Head(s) /Functional Head – EHS

	Prepared By Operating Officer/Executive	Reviewed By Operating Manager	Approved By Department Head	Authorized By Head QA
Sign				
Date				
Name				