



PHARMA DEVILS

ENVIRONMENT HEALTH SAFETY DEPARTMENT

HAZARD IDENTIFICATION AND RISK ASSESSMENT

Department: Compression **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	
1.	Compression	Assembly of Compression 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	



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2.	Compression	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	-
3.	Compression	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	-



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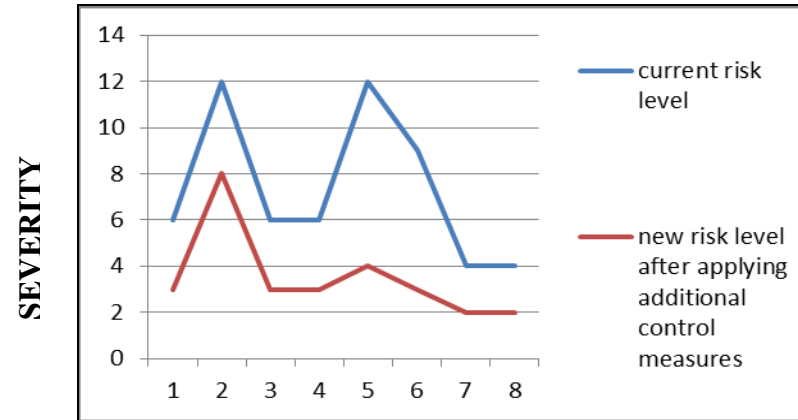
4.	Compression	Filling of material from drum to compression hopper	<ul style="list-style-type: none"> • Sharp edges • Lack of space • Spillage 	A	<ul style="list-style-type: none"> • Back injuries • Cut injuries • Fall of material 	35	3	2	6	345	3	1	3	-
5.	Compression	During operation of machine	<ul style="list-style-type: none"> • Sharp edges • Unprotect moving Parts • Electrocutation • Slip & Trip • Dust Particles 	E	<ul style="list-style-type: none"> • Cut injuries. • Electric shock. • Dust generation • Inhalation of dust. • Eye infection. • Pinch injuries 	45	4	3	12	345	4	1	4	-
6.	Compression	Maintenance and cleaning	<ul style="list-style-type: none"> • Sharp edges. • Ungraded parts • Defective tools & tackles. • Electrocutation. 	A	<ul style="list-style-type: none"> • Awkward posture • Entanglement • Struck by an object. • Slippery tools • Cut injuries 	35	3	3	9	345	3	1	3	-
7.	Compression	Entry, Exit way	<ul style="list-style-type: none"> • Slip & trip hazard • Low space 	A	<ul style="list-style-type: none"> • Fall of personal & material. • Poor housekeeping 	35	2	2	4	345	2	1	2	-
8.	Compression	Packing	<ul style="list-style-type: none"> • Static charge • Defective poly bag. 	A	<ul style="list-style-type: none"> • Fire. • Spillage 	35	2	2	4	345	2	1	2	-



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Frequency

MATRIX

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



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REVISION HISTORY - HIRA Register

Revision No.	Date	Reason for change	Originator (Leader)	Approval
			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				