



# PHARMA DEVILS

ENVIRONMENT HEALTH SAFETY DEPARTMENT

## HAZARD IDENTIFICATION AND RISK ASSESSMENT

**Department:** RM Store

**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)		Frequency	Severity	RPN (F*S)	
1.	RM Store	Before start unloading from the truck	<ul style="list-style-type: none"> <li>• Movement of vehicle.</li> <li>• Fire</li> <li>• Uneven surface.</li> </ul>	A	<ul style="list-style-type: none"> <li>• Collusion.</li> <li>• Toppling</li> <li>• Struck by an object.</li> </ul>	45	3	2	6	345	3	1	3	Store



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2.	RM Store	<p>During operation of RM Store.</p> <p>(i) Switch on of cooling tower.</p> <p>(ii) Change over by cutting main supply.</p> <p>(iii) Load check.</p>	<ul style="list-style-type: none"> <li>• Electrical hazard</li> <li>• Noise hazard</li> <li>• Accumulation of static charge</li> <li>• Overload</li> <li>• Overheat</li> <li>• Sharp edges</li> <li>• Improper fuel feed</li> <li>• high noise</li> <li>• Radiator Coolant cap locked</li> </ul>	A	<ul style="list-style-type: none"> <li>• Fire</li> <li>• Electric shock</li> <li>• Struck by an object</li> <li>• Hearing loss</li> <li>• Cut injuries</li> <li>• Pinch points</li> <li>• Spillage</li> </ul>	35	3	3	9	345	3	2	6	-
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3.	RM Store	Handling of Hazardous material & storage	<ul style="list-style-type: none"> <li>Enclosed room without ventilation.</li> <li>Manual handling of hazardous material.</li> <li>Uneven surface.</li> <li>Defective shifting vehicle/trolley.</li> <li>Without knowledge of hazardous material.</li> </ul>	E	<ul style="list-style-type: none"> <li>Fall of material &amp; personal.</li> <li>Back injuries.</li> <li>Strain &amp; sprain.</li> <li>Entanglement.</li> <li>Musculoskeletal disorder.</li> <li>Over speed of shifting vehicle/trolley.</li> </ul>	345	4	4	16	2345	4	2	8	Store
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4.	RM Store	Dispensing	<ul style="list-style-type: none"> <li>• Explosion</li> <li>• Toxic fumes</li> <li>• Unventilated area</li> <li>• More than one dispensing at a time</li> <li>• Drums without labeling</li> <li>• Static charge.</li> </ul>	A	<ul style="list-style-type: none"> <li>• Inhalation</li> <li>• Ingestion</li> <li>• Skin burn</li> <li>• Ellery</li> <li>• Spillage</li> <li>• Eye injuries</li> <li>• Fire.</li> </ul>	35	4	3	12	345	4	2	8	Store
5.	RM Store	Diluting chemicals	<ul style="list-style-type: none"> <li>• Explosion</li> <li>• Toxic fumes</li> <li>• Accumulation of fumes.</li> <li>• Inadequate knowledge of chemicals.</li> <li>• Static charge.</li> </ul>	A	<ul style="list-style-type: none"> <li>• Burns injuries</li> <li>• Eye irritation</li> <li>• Skin Ellery.</li> <li>• Fire.</li> <li>• Spillage of chemical</li> <li>• Suffocation.</li> </ul>	35	4	3	12	345	4	2	8	Store



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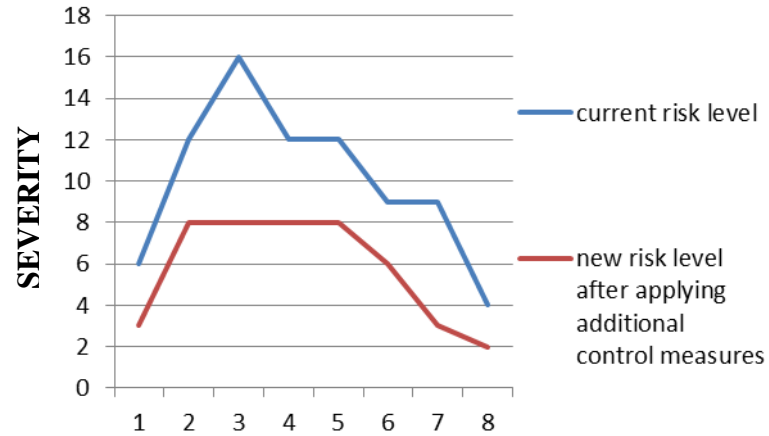
6.	RM Store	Transfer of material from RM to production.	<ul style="list-style-type: none"> <li>• Uneven surface.</li> <li>• Shifting manually.</li> <li>• Defective shifting trolleys</li> <li>• Use of material lifts.</li> </ul>	A	<ul style="list-style-type: none"> <li>• Fall of personal &amp; fall of material.</li> <li>• Entanglement.</li> <li>• Struck by an object.</li> <li>• Musculoskeletal disorder.</li> <li>• Physical injury.</li> </ul>	45	3	3	9	345	3	2	6	Store
7.	RM Store	Movement	<ul style="list-style-type: none"> <li>• Falling hazards.</li> <li>• Slip trip hazards.</li> </ul>	A	<ul style="list-style-type: none"> <li>• Struck by an object.</li> <li>• Entanglement.</li> <li>• Musculoskeletal disorder.</li> <li>• Strain &amp; sprain.</li> </ul>	45	3	3	9	345	3	1	3	Store
8.	RM Store	Venting	<ul style="list-style-type: none"> <li>• Unauthorized place.</li> <li>• Fire.</li> <li>• Accumulation of waste.</li> <li>• Contaminated drums.</li> </ul>	N	<ul style="list-style-type: none"> <li>• Birth of unhygienic condition.</li> <li>• Fire</li> <li>• Ingestion</li> <li>• Skin irritation.</li> </ul>	45	2	2	4	345	2	1	2	Store



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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				