

# Risk Assessment Report

<b>Title</b>		<b>Document Number</b>	APS-EHS-HIRA-25
<b>Department</b>	NA	<b>Site Name</b>	Avali, Grava Residences, Apas, Grava, MH99, Nishada, Precast Plant, Raka, Sayuk, Tridasa, Bommera, Casting Testing Site, New Location testing, City Center, City Center Road, VR Site, Simanchal
<b>Risk Assessment Name</b>	HIRA Equation	<b>Status</b>	Submitted
<b>Next Revision Date</b>	NA	<b>Revision Number</b>	NA
<b>Created By</b>	Rajkumar Pativada	<b>Created On</b>	17-Feb-2026 07:11:31 PM
<b>Modified On</b>	17-Feb-2026 07:11:31 PM		

## Activity: HIRA Equation

### Sub-Activity: Mobilization of Manpower at Project

#### Hazards

<b>Hazards</b>	<ol style="list-style-type: none"> <li>1.Unskilled Worker.</li> <li>2.Lack of Knowledge about site hazards that lead to human Injury and property loss.</li> <li>3. Language barrier, un-fit worker.</li> <li>4.Lack of awareness in case of emergency/If unaware about the emergency exits, assembly point, by chance any emergency occur may lead to injury while movement.(stampede) .</li> <li>5.Personal injury/Property Damage/Confusion Body injury, Un conscious/ Fatigue.</li> </ol>
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<b>Risks</b>	NA
<b>Likelihood</b>	3
<b>Severity</b>	4
<b>RR</b>	12
<b>Risk Level</b>	Medium Risk

#### Impact

<b>Impact</b>	Health Impact
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#### Control Measures

<b>Control Measures</b>	<ol style="list-style-type: none"> <li>1.Gate pass Issued after safety induction training only.</li> <li>2.Only Trained Person Should be Deployed for work.</li> <li>3.Training Should be conducted before Start the activity.</li> <li>4.Person will not move to the unknown area. /Unauthorised Entry should be prohibited.</li> <li>5.Person should respect &amp; follow on site signages, rules and regulation.</li> <li>6.Use language which most of worker easily known. (Local language)</li> <li>7. Take feedback from worker about what they have understood by the means of training.</li> <li>8.Full time e supervision is mandatory.</li> <li>9.Conduct physical fitness test of worker before his employment from authorised Practitioner. (Medical fitness is mandatory)</li> <li>10.Personnel shall move with area known site representative only.</li> <li>11.Emergency assembly point should be display at site &amp; Awareness to all personnel about assembly point should be discussed in TBT every day.</li> </ol>
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<b>Likelihood</b>	2
<b>Severity</b>	5
<b>Residual Risk</b>	10
<b>Risk level</b>	Meduim Risk

### Sub-Activity: Human Behaviour activity

#### Hazard

<b>Hazards</b>	<ol style="list-style-type: none"> <li>1. Overconfidence</li> <li>2. Improper background</li> <li>3. Family History</li> <li>4. Mental Illness.</li> <li>5. Aggressive</li> <li>6. Accident</li> <li>7. Worker dispute</li> </ol>
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<b>Risks</b>	NA
<b>Likelihood</b>	5
<b>Severity</b>	6
<b>RR</b>	30
<b>Risk Level</b>	Medium Risk

### Impact

<b>Impact</b>	Health Impact
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### Control Measures

<b>Control Measures</b>	<ol style="list-style-type: none"> <li>1. Take care of each other will develop</li> <li>2. Medical fitness certificate</li> <li>3. Awareness and response</li> <li>4. Proper supervision will be ensured at site.</li> </ol>
<b>PPE</b>	Use of appropriate PPE's like (Rubber hand gloves, safety shoes, reflective jacket. Safety helmet.

<b>Likelihood</b>	2
<b>Severity</b>	1
<b>Residual Risk</b>	0
<b>Risk Level</b>	Low Risk

### Sub-Activity: Loading and Un loading of Materials by Mechanical Equipment etc.

#### Hazards

<b>Hazards</b>	<ol style="list-style-type: none"> <li>1. Unsecured load</li> <li>2. Persons getting hit.</li> <li>3. Fall of material due to unsecured load, stoppers, counterweight, etc.</li> <li>4. Obstructed access.</li> <li>5. Fall of persons while climbing on to the load for unloading.</li> <li>6. Sharp edges</li> <li>7. Poor visibility / slippery condition</li> <li>8. Overloading</li> <li>9. Uneven and non-compacted ground.</li> <li>10. Inadequate illumination.</li> <li>11. Miscommunication.</li> </ol>
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<b>Risks</b>	NA
<b>Likelihood</b>	5
<b>Severity</b>	2
<b>Residual Risk</b>	0
<b>Risk Level</b>	NA

### Impact

<b>Impact</b>	Health Impact
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### Control Measures

<b>Control Measures</b>	<ol style="list-style-type: none"> <li>1. Trained workforce (Loading and unloading) workforce to be deployed.</li> <li>2. Vehicle / equipment fitness, maintenance log, reverse horn, alarm, rear view mirror (RVM), both outer rear-view mirror (ORVM), two-wheel choke, seat belt, indicators, wipers, should be in proper conditions.</li> <li>4. Training for the workers provided about safely material handling.</li> <li>5. Maintain proper communication between the workers during the unloading work.</li> <li>6. Safety Helmet, Safety Shoes, reflective Jacket to be used by the operators, banksman, riggers, signal man in site.</li> <li>7. While shifting the material to the storage area to be barricaded.</li> <li>8. Material to be anchored for prevention of fall, protrusion of material to be avoided, overloading of the material to be avoided.</li> <li>9. Step for climbing to reach to the vehicle provided during the material unloading.</li> <li>10. Material stacking height not to be exceedingly more than 1.5 meter</li> <li>11. Provide a MS rack to unload the material if required.</li> <li>12. Lighting to be provided with clear visibility for lifting of material.</li> <li>13. Toolbox talks to be given by the supervisor to operators, banksman, signal man, riggers daily for the precautions to be taken in lifting activity.</li> </ol>
<b>PPE – Personal Protective Equipment</b>	Job specific PPE like (hand gloves, safety helmet, safety shoes)

<b>Likelihood</b>	3
<b>Severity</b>	4
<b>Residual RR</b>	12
<b>Risk Level</b>	NA

#### History

<b>Created On</b>	<b>Created By</b>	<b>Comment</b>	<b>Attachments</b>
17-Feb-2026 07:11:31 PM	Rajkumar Pativada	A new record was created: Hira Type set to 'HIRA Equation' Hira Status set to 'Submitted'	