

Risk Assessment Report

Title		Document Number	APS-EHS-HIRA-25
Department	NA	Site Name	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
Risk Assessment Name	HIRA Equation	Status	Draft
Next Revision Date	NA	Revision Number	NA
Created By	Rajkumar Pativada	Created On	19-Feb-2026 02:27:26 PM
Modified On	19-Feb-2026 02:27:26 PM		

Activity: HIRA Equation

Sub-Activity: Mobilization of Manpower at Project

Hazards

Hazards	<ol style="list-style-type: none"> 1.Unskilled Worker. 2.Lack of Knowledge about site hazards that lead to human Injury and property loss. 3. Language barrier, un-fit worker. 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) . 5.Personal injury/Property Damage/Confusion Body injury, Un conscious/ Fatigue.
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Risks	NA
Likelihood	NA
Severity	NA
RR	0
Risk Level	NA

Impact

Impact	Health Impact
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Control Measures

Control Measures	<ol style="list-style-type: none"> 1.Gate pass Issued after safety induction training only. 2.Only Trained Person Should be Deployed for work. 3.Training Should be conducted before Start the activity. 4.Person will not move to the unknown area. /Unauthorised Entry should be prohibited. 5.Person should respect & follow on site signages, rules and regulation. 6.Use language which most of worker easily known. (Local language) 7. Take feedback from worker about what they have understood by the means of training. 8.Full time e supervision is mandatory. 9.Conduct physical fitness test of worker before his employment from authorised Practitioner. (Medical fitness is mandatory) 10.Personnel shall move with area known site representative only. 11.Emergency assembly point should be display at site & Awareness to all personnel about assembly point should be discussed in TBT every day.
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Likelihood	NA
Severity	NA
Residual Risk	0
Risk level	NA

Sub-Activity: Human Behaviour activity

Hazard

Hazards	<ol style="list-style-type: none"> 1. Overconfidence 2. Improper background 3. Family History 4. Mental Illness. 5. Aggressive 6. Accident 7. Worker dispute
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Risks	NA
Likelihood	NA
Severity	NA
RR	0
Risk Level	NA

Impact

Impact	Health Impact
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Control Measures

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

Likelihood	NA
Severity	NA
Residual Risk	0
Risk Level	NA

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

Hazards

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

Impact

Impact	Health Impact
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Control Measures

Control Measures	<ol style="list-style-type: none"> 1. Trained workforce (Loading and unloading) workforce to be deployed. 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. 4. Training for the workers provided about safely material handling. 5. Maintain proper communication between the workers during the unloading work. 6. Safety Helmet, Safety Shoes, reflective Jacket to be used by the operators, banksman, riggers, signal man in site. 7. While shifting the material to the storage area to be barricaded. 8. Material to be anchored for prevention of fall, protrusion of material to be avoided, overloading of the material to be avoided. 9. Step for climbing to reach to the vehicle provided during the material unloading. 10. Material stacking height not to be exceedingly more than 1.5 meter 11. Provide a MS rack to unload the material if required. 12. Lighting to be provided with clear visibility for lifting of material. 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.
PPE – Personal Protective Equipment	Job specific PPE like (hand gloves, safety helmet, safety shoes)

Likelihood	NA
Severity	NA
Residual RR	0
Risk Level	NA

History

Created On	Created By	Comment	Attachments
19-Feb-2026 02:27:26 PM	Rajkumar Pativada	A new record was created: Hira Type set to 'HIRA Equation' Hira Status set to 'Draft'	