

# Risk Assessment Report

<b>Title</b>		<b>Document Number</b>	APS-EHS-HIRA-25
<b>Department</b>	dept	<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>	Suspended Rope Platform (SRP)	<b>Status</b>	Submitted
<b>Next Revision Date</b>	19-Feb-2026	<b>Revision Number</b>	1
<b>Created By</b>	Rajkumar Pativada	<b>Created On</b>	19-Feb-2026 12:05:25 PM
<b>Modified On</b>	19-Feb-2026 12:05:25 PM		

## Activity: Suspended Rope Platform (SRP)

### Sub-Activity: Erection / Installation

#### Hazard

<b>Hazard</b>	Improper anchoring of suspension beams
<b>Risk</b>	Collapse of SRP, multiple fatalities
<b>Likelihood</b>	5
<b>Consequences</b>	3
<b>RR</b>	15
<b>Risk Level</b>	High Risk

#### Control Measures

<b>E - Elimination</b>	Eliminate unsafe anchorage points by removing all untested or unauthorized anchor locations.
<b>SB – Substitution</b>	Replace temporary/weak anchors with engineered anchor systems.
<b>EC – Engineering Controls</b>	Use manufacturer-approved anchorage points and load-rated suspension beams.
<b>AD – Administrative Controls</b>	Train installation teams on anchoring procedures and load requirements.
<b>PPE – Personal Protective Equipment</b>	Full body harness with double lanyard.

<b>Additional Control Measures</b>	NA
<b>Opportunities</b>	nothing

<b>Likelihood</b>	5
<b>Consequences</b>	3
<b>Residual RR</b>	15
<b>Risk level</b>	High Risk

#### Hazard

<b>Hazard</b>	Rope not fixed/tightened properly
<b>Risk</b>	Platform fall, Fatality
<b>Likelihood</b>	NA
<b>Consequences</b>	NA
<b>RR</b>	0
<b>Risk Level</b>	NA

#### Control Measures

<b>E - Elimination</b>	Eliminate all worn, frayed, or uncertified ropes from site. Avoid rope-based systems where mechanical hoists or pre-rigged systems can replace manual rope fixing
<b>SB – Substitution</b>	Replace fiber ropes with steel wire ropes or high-strength synthetic ropes as recommended.
<b>EC – Engineering Controls</b>	Use rope-gripping devices and automatic locking systems.
<b>AD – Administrative Controls</b>	Train riggers on correct knotting, fixing, and tensioning.
<b>PPE – Personal Protective Equipment</b>	Cut-resistant gloves.

<b>Likelihood</b>	NA
<b>Consequences</b>	NA
<b>Residual RR</b>	0
<b>Risk level</b>	NA

<b>Additional Control Measures</b>	NA
<b>Opportunities</b>	NA

### Hazard

<b>Hazard</b>	Electrical fault in motor/control panel
<b>Risk</b>	Electrocution, burns
<b>Likelihood</b>	NA
<b>Consequences</b>	NA
<b>RR</b>	0
<b>Risk Level</b>	NA

### Control Measures

<b>E – Elimination</b>	Eliminate faulty motors
<b>SB – Substitution</b>	Replace old motors/panels
<b>EC – Engineering Controls</b>	Provide ELCB/RCCB protection for power supply.
<b>AD – Administrative Controls</b>	Only certified electricians to perform wiring or repairs.
<b>PPE – Personal Protective Equipment</b>	Electrical insulating gloves (when maintaining).

<b>Additional Control Measures</b>	NA
<b>Opportunities</b>	NA

<b>Likelihood</b>	NA
<b>Consequences</b>	NA
<b>Residual RR</b>	0
<b>Risk Level</b>	NA

### Hazard

<b>Hazard</b>	Wrong counterweight placement
<b>Risk</b>	Toppling of platform,Fatality
<b>Likelihood</b>	NA
<b>Consequences</b>	NA
<b>RR</b>	0
<b>Risk Level</b>	NA

### Control Measures

<b>E – Elimination</b>	Remove makeshift
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<b>SB – Substitution</b>	Replace loose
<b>EC – Engineering Controls</b>	Use counterweights
<b>AD – Administrative Controls</b>	Provide training
<b>PPE – Personal Protective Equipment</b>	Safety shoes with steel toe. Gloves for handling heavy counterweights. Helmet with chin strap.

<b>Additional Control Measures</b>	NA
<b>Opportunities</b>	NA

<b>Likelihood</b>	NA
<b>Consequences</b>	NA
<b>Residual RR</b>	0
<b>Risk Level</b>	NA

### Sub-Activity: Operation (Work at height)

#### Hazard

<b>Hazard</b>	Failure of suspension rope (break, wear & tear)
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<b>Risk</b>	Fall of platform, multiple fatalities
<b>Likelihood</b>	NA
<b>Consequences</b>	NA
<b>RR</b>	0
<b>Risk Level</b>	NA

#### Control Measures

<b>E - Elimination</b>	Do
<b>SB – Substitution</b>	Use
<b>EC – Engineering Controls</b>	Provide
<b>AD – Administrative Controls</b>	Daily
<b>PPE – Personal Protective Equipment</b>	Full

<b>Additional Control Measures</b>	NA
<b>Opportunities</b>	NA

<b>Likelihood</b>	NA
<b>Consequences</b>	NA
<b>Residual RR</b>	0
<b>Risk Level</b>	NA

#### Hazard

<b>Hazard</b>	Overloading of platform
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<b>Risk</b>	Rope snap, fall, Fatality
<b>Likelihood</b>	NA
<b>Consequences</b>	NA
<b>RR</b>	0
<b>Risk Level</b>	NA

#### Control Measures

<b>E - Elimination</b>	Do
<b>SB – Substitution</b>	Use

<b>EC – Engineering Controls</b>	Provide
<b>AD – Administrative Controls</b>	Supervisor
<b>PPE – Personal Protective Equipment</b>	Full body harness with lifeline. Helmet with chin strap.

<b>Additional Control Measures</b>	NA
<b>Opportunities</b>	NA

<b>Likelihood</b>	NA
<b>Consequences</b>	NA
<b>Residual RR</b>	0
<b>Risk level</b>	NA

### Hazard

<b>Hazard</b>	Sudden power failure
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<b>Risk</b>	Platform stuck mid-air, panic
<b>Likelihood</b>	NA
<b>Consequences</b>	NA
<b>RR</b>	0
<b>Risk Level</b>	NA

### Control Measures

<b>E – Elimination</b>	NA
<b>SB – Substitution</b>	NA
<b>EC – Engineering Controls</b>	NA
<b>AD – Administrative Controls</b>	NA
<b>PPE – Personal Protective Equipment</b>	NA

<b>Additional Control Measures</b>	NA
<b>Opportunities</b>	NA

<b>Likelihood</b>	NA
<b>Consequences</b>	NA
<b>Residual RR</b>	0
<b>Risk level</b>	NA

### Hazard

<b>Hazard</b>	Swinging of platform due to wind
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<b>Risk</b>	Collision with facade, fall of workers
<b>Likelihood</b>	NA
<b>Consequences</b>	NA
<b>RR</b>	0
<b>Risk Level</b>	NA

### Control Measures

<b>E – Elimination</b>	Stop work during high wind, rain, or storm conditions. Eliminate work at exposed elevations during adverse weather.
<b>SB – Substitution</b>	Use guided suspended platforms or mast climbers where feasible.
<b>EC – Engineering Controls</b>	Install guide rollers or tie-in restraints to prevent swinging. Provide wind speed monitoring device at height. Guardrails, mid-rails, and toe boards on platform.

<b>AD – Administrative Controls</b>	Define maximum permissible wind speed as per manufacturer. Supervisor to continuously monitor weather conditions. Authority given to safety officer to stop work immediately if wind increases.
<b>PPE – Personal Protective Equipment</b>	Full body harness with double lanyard. Non-slip safety shoes

<b>Additional Control Measures</b>	NA
<b>Opportunities</b>	NA

<b>Likelihood</b>	NA
<b>Consequences</b>	NA
<b>Residual RR</b>	0
<b>Risk Level</b>	NA

### Hazard

<b>Hazard</b>	Fall of tools/materials from platform
<b>Risk</b>	Serious head injuries to workers/public
<b>Likelihood</b>	NA
<b>Consequences</b>	NA
<b>RR</b>	0
<b>Risk Level</b>	NA

### Control Measures

<b>E – Elimination</b>	Do not allow loose materials or unsecured tools on the platform. Remove unused tools immediately.
<b>SB – Substitution</b>	Use tool bags with zipper closure instead of loose tools
<b>EC – Engineering Controls</b>	Provide toe boards, guardrails, and mid-rails on platform. Use tool lanyards for all hand tools. Install debris nets or safety nets below working area.
<b>AD – Administrative Controls</b>	Barricade area below platform with warning tape. Display "Danger – Overhead Work" signage. Assign a ground-level spotter where public access exists. Enforce good housekeeping at height
<b>PPE – Personal Protective Equipment</b>	Safety helmet with chin strap (workers and ground personnel). Tool lanyards.

<b>Additional Control Measures</b>	NA
<b>Opportunities</b>	NA

<b>Likelihood</b>	NA
<b>Consequences</b>	NA
<b>Residual RR</b>	0
<b>Risk Level</b>	NA

### Hazard

<b>Hazard</b>	This is hazards
<b>Risk</b>	Fall from height, Fatality
<b>Likelihood</b>	NA
<b>Consequences</b>	NA
<b>RR</b>	0
<b>Risk Level</b>	NA

### Control Measures

<b>E – Elimination</b>	Prohibit work at height without fall protection.
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SB – Substitution	NA
EC – Engineering Controls	NA
AD – Administrative Controls	NA
PPE – Personal Protective Equipment	NA

Additional Control Measures	NA
Risk Level	NA

Likelyhood	NA
Consequences	NA
Residual RR	0
Risk Level	NA

### Sub-Activity: New sub activity

#### Hazard

Hazard	NA
Risk	NA
Likelyhood	NA
Consequences	NA
RR	0
Risk Level	Low Risk

#### Control Measures

E - Elimination	NA
SB – Substitution	NA
EC – Engineering Controls	NA
AD – Administrative Controls	NA
PPE – Personal Protective Equipment	NA

Additional Control Measures	NA
Opportunities	NA

Likelyhood	NA
Consequences	NA
Residual RR	0
Risk level	Low Risk

#### History

Created On	Created By	Comment	Attachments
19-Feb-2026 12:05:25 PM	Rajkumar Pativada	A new record was created: Hira Type set to 'Suspended Rope Platform (SRP)' Department Name set to 'dept' Hira Status set to 'Submitted' Next Revision Date set to '19-Feb-2026' Revision Number set to '1'	