				Haz	ard A	nalysis a	nd Risk Control Recor	d			
Doc ref:		Ta	ask/Pr	oces	s As	essed:	Overhead hoist or Crane o	peration			
Revision:		Lo	ocatio	n:							
Date:		As	ssess	ment	t Tear	n:					
Operation:		Aı	pprov	ed by	y:						
Activity Steps	HAZAR	D		INITIA	L RISI	(	CONTROL N	IEASURES	RES	RISK	
	Hazard Description and Worst Case Consequences with no Prevention or Mitigation Measures in Place	Loss Catego Populat Affecte	ory/ tion		S e s k L r i t y l	Currer	Current and Planned Control Contributing and E It and Planned Prevention ures to reduce Likelihood	Measures, taking into Account all scalating Factors  Current and Planned Mitigation Measures to reduce Severity	L i k e l i h o o	S e v e r i t y	Ri s k L e v el

overhead hoist or crane equipment & its accessories    aprinch points   Babac strained   Cpallen object   Cp	Pre check	1)Injuries to workers	Assets		1		•	Pre check the work station and ensure	1.	First aid kit available & readily	Unl	Lia	Acce	
the entire lifting operations  Hazards identified in the HARC briefed to	overhead hoist or crane equipment &	b)Back strained c)Fallen object d)Electrical shock 2)Damaged to asset a)Falling object b)lifted load knocked		os si bl e	aj or (-	des irab le	•	there is no obstruction and no oil or wate spill  Pre check the inspection tag on hoist, chains, slings & spreader bars and ensure they are still within their certification date and in good physical condition  Pre check the over head hoist controller for signs of worn off, exposed wiring & pinch points  Safe working load of the overhead hoist prominently displayed at site  Check that lifting plan is available & accessible on site  Only qualified & trained operator can operate the over head hoist  Safe working load of the beams & suppor are prominently displayed at site  Ensure the intended lifting path is clear of obstruction  If 2 hoist found on the same beam, relocate the second hoist before moving the hoist which is going to be operated Mandatory Mechanical Lifting Level 1 training for all operators	t t	accessible on site Mandatory PPE such as hard helmet, safety shoes, safety glasses & leather	у			r Priv
Provision of ground guide to direct lifting     movements should visibility be obscured							•	the entire lifting operations Hazards identified in the HARC briefed to all operators to increase their awareness Provision of ground guide to direct lifting						

1)Injuries to workers a)Pinch points b)Back strained 2)Damaged to asse a)Falling object	Personnel				•	Pre site survey to ensure all obstacles along the transported path are cleared Pre check the over head hoist controller for signs of worn off, exposed wiring & pinch points  Check that the safety catch is in good condition and that it is properly closed before lifting the load from its rest position.  Safe working load of the overhead hoist	•	First aid kit available & readily accessible on site Mandatory PPE such as hard helmet, safety shoes, safety glasses & leather gloves	Unl ikel y (2)	Lig ht (-2)	Acce ptabl e (-4)	Sc um erg r Pri at
		Possible (3)	M aj or (- 3)	Un des irab le (-9)	•	prominently displayed at site Ensure the load is within the safe working load of the overhead hoist Check that lifting plan is available & accessible on site Only qualified & trained operator can operate the over head hoist Testrun the overhead hoist without load to understand its limitation Ensure the load is within the safe working load of the overhead hoist Ensure the load is strapped, fastened & secured before lifting them Before unloading the load, ensure the location is free of obstacles & no personnel is at or near the location No one allowed to be near or under the lifted load If visibility is obscured, ground guide shall provide direction for loading & unloading Mandatory Mechanical Lifting level 1 training for all operators						

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Transport load with hoist	1)Injuries to workers	Assets				•	Pre site survey to ensure all obstacles along the transported path are cleared	•	First aid kit available & readily accessible on site	Unl ikel	Lig ht	Acce ptabl	umb
HOISE	a)Pinch points	Personnel				١.	Pre check the over head hoist controller		Mandatory PPE such as hard helmet,	у	(-2)	e (-4)	erge
	b)Back strained					•	for signs of worn off, exposed wiring &	•	safety shoes, safety glasses & leather	(2)	(-2)	C (-4)	l'
	c)Injuries due to fallen object						pinch points		gloves	(-)			Priv
	ialien object						Safe working load of the overhead hoist		9.0.00				ate
	2)Damaged to asset						prominently displayed at site						0.00
	a)Falling object					•	Ensure the load is within the safe working						
	knocked onto						load of the overhead hoist						
	equipment					•	Check that lifting plan is available &						
							accessible on site						
						•	Only qualified & trained operator can						
							operate the over head hoist						
						•	Testrun the overhead hoist without load						
							to understand its limitation						
		Ensure the load is within the safe working load of the overhead hoist											
			l <sub>P</sub>				Ensure the load is strapped, fastened &						
			os	М	Un	•	secured before lifting them						
		si aj d bl or ir e (-			Before unloading the load, ensure the								
			bl	or	irab		location is free of obstacles & no						
			(-	le		personnel is at or near the location							
			(3	3)	(-9)	•	No one allowed to be near or under the						
			)				lifted load						
			If visibility is obscured, ground guide shall										
							provide direction for loading & unloading						
						•	Never suspend a load on a hoist in mid						
							air						
					•	Take time to balance the load and							
							maintain its stability and maintain at horizontal position whilst transporting						
							Lift only one piece of equipment at a time						
						.	For lifting of long & heavy load, 2						
				1		•	personnel are required						
				1		١.	For lifting requiring 2 personnel, toolbox						
				1			meeting is required to communicate the						
				1			work intention to all involved worker						
					1	•	Mandatory Mechanical Lifting level 1	1					
				1			training for all operators						
				1			- •						

ove hoist	1)Injuries to workers	Assets				•	Pre site survey to ensure all obstacles	•	First aid kit available & readily	Unl	Lig	Acce	uı
	a)Pinch points	Personnel					along the transported path are cleared		accessible on site	ikel	ht	ptabl	е
	b)Back strained					•	Pre check the over head hoist controller	•	Mandatory PPE such as hard helmet,	у		e (-4)	-
	c)Injuries due to						for signs of worn off , exposed wiring &		safety shoes, safety glasses & leather	(2)			
	fallen object						pinch points		gloves				F
						•	Safe working load of the overhead hoist						-
	2)Damaged to asset						prominently displayed at site						
	a)Falling object					•	Ensure the load is within the safe working						
	knocked onto						load of the overhead hoist						
	equipment					•	Check that lifting plan is available & accessible on site						
						•	Only qualified & trained operator can operate the over head hoist						
							Testrun the overhead hoist without load						
						•	to understand its limitation						
							Ensure the load is within the safe working						
							load of the overhead hoist						
						•	Ensure the load is strapped, fastened &						
			l <sub>P</sub>				secured before lifting them						
			os	М	Un	•	Before unloading the load, ensure the						
			si	aj	des		location is free of obstacles & no						
			bl	or	irab		personnel is at or near the location						
			е	(-	le	•	No one allowed to be near or under the lifted load						
			(3	3)	(-9)								
			)			•	If visibility is obscured, ground guide shall provide direction for loading & unloading						
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						•	For lifting of long & heavy load, 2						
							personnel are required						
						•	For lifting requiring 2 personnel, toolbox						
							meeting is required to communicate the						
							work intention to all involved worker						
						•	Mandatory Mechanical Lifting level 1						
							training for all operators						
						•	After unloading, ensure that the hoist,						
							chain and hook are place out of the walking path and lifted above peoples'						
							heads if possible.						
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