

# Manildra Group Safety Form - Lift Study

**MANILDRA GROUP**



***This lift study is to be completed by a competent person***

Section 1 – Additional Permits		Permits
Does the load need to be rotated in the air by a single crane using multiple winches?	Y <input type="checkbox"/> N <input type="checkbox"/>	<b>Complex Lift Permit (FMSA243) required</b>
Is the lift a multiple crane lifting operation?	Y <input type="checkbox"/> N <input type="checkbox"/>	
Is the mass of the load unevenly distributed or able to move during the lift?	Y <input type="checkbox"/> N <input type="checkbox"/>	
Does a load sharing device need to be used?	Y <input type="checkbox"/> N <input type="checkbox"/>	
Does a lift involve a Workbox?	Y <input type="checkbox"/> N <input type="checkbox"/>	<b>Workbox Permit (FMSA246) required</b>
<b><i>If any box is checked as Y above the additional permits must accompany this Lift Study</i></b>		

Section 2 –Lift Information and Setup (Mobile Cranes)			
Location:		ATW number:	
Lift Date:	Est Start time:	Est Finish time:	
Description of Lifting Operations:	Crane Model:		
	Crane Capacity:		
CraneSafe® Certification Number:		Maximum Outrigger load:	
Type of Ground:		Minimum area per Outrigger:	
Is the Crane setup a safe distance away from excavation?	Y <input type="checkbox"/> N <input type="checkbox"/>	Maximum Load Radius:	
Rigging Equipment and Accessories to be used:	Rigging Weight:		
	Weight of the load:		
Weight Actual <input type="checkbox"/> or Weight Assessed <input type="checkbox"/>		Total Weight of the Rigging + Load:	
Crane Rated Capacity at _____ m = _____ kg		Circle communication methods: Radio      Whistle      Verbal      Hand Signals	

***Complete sections 3-8 as applicable***

Section 3– Lift Information (Tower Crane)			
Is an exclusion zone needed for work near the tower crane? <small>(Working up to 30m under the tower crane working radius. Above 30m additional controls needed- see SA-P-0150)</small>			Y <input type="checkbox"/> N <input type="checkbox"/>
<i>If 50% of Height exclusion zone cannot be maintained, add a risk assessment to study</i>		Completed: Y <input type="checkbox"/> N <input type="checkbox"/>	
<i>If the Y box is ticked- ensure the exclusion zone is drawn in section 8, the dogman is used and direct communication is established</i>			
Crane Driver Name:		HRW Licence No:	
Dogman Name:		HRW Licence No:	
Location:		ATW number:	
Lift Date:	Est Start time:	Est Finish time:	
Description of Lifting Operations:			
Tower Crane – Liebherr 180 EC-H10 (Ethanol Plant)		Tick <input type="checkbox"/>	
Tower Crane – Potain MC85B (Flour Mill)		Tick <input type="checkbox"/>	
Is a Mobile Crane setup in the vicinity of tower crane?	Y <input type="checkbox"/> N <input type="checkbox"/>	Maximum Load Radius:	
Rigging Equipment and Accessories to be used:	Rigging Weight:		
	Weight of the load:		
Weight Actual <input type="checkbox"/> or Weight Assessed <input type="checkbox"/>		Total Weight of the Rigging + Load:	
Crane Rated Capacity at _____ m = _____ kg		Circle communication methods: Radio      Whistle      Verbal      Hand Signals	

**Section 4 – Wind Speed. For loads with a large surface area**

What is the maximum wind speed allowed?		What is the current wind direction?	
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**Section 5 –Rail Corridor**

*Ensure that the Rail Coordinator is contacted for work that may impact the rail corridor in any way (44238288)  
 Note: It is forbidden to lift a load over locomotives*

Is setup and/or work within 3 metres of, or inside the rail corridor?	Y <input type="checkbox"/> N <input type="checkbox"/>	If yes a Nowra Rail Yard Access Authority is required	Authority No.....
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**Section 6 –Lifting Points**

Lifting point(s) description:	
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Are lifting point(s) suitable for the lift?	Y <input type="checkbox"/> N <input type="checkbox"/>
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Are lifting point(s) adequately designed for the total assembly mass?	Y <input type="checkbox"/> N <input type="checkbox"/>
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**Section 7 – Lifts near Powerlines** Y  N

Can the powerlines be de-energised?	Y <input type="checkbox"/> N <input type="checkbox"/>
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A pre lift meeting has been held on site with the work crew and the roles, permit conditions and precautions have been discussed?	Y <input type="checkbox"/> N <input type="checkbox"/>
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Are taglines nonconductive?	Y <input type="checkbox"/> N <input type="checkbox"/>
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Has a safety observer been designated to direct the lift and maintain clearances? <small>Up to and including AC 132,000 (3m) Up to and including +/- 1500 volts (3m)</small>	Y <input type="checkbox"/> N <input type="checkbox"/>
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Has the lift been planned so that lifting is not over energised powerlines?	Y <input type="checkbox"/> N <input type="checkbox"/>
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Is the crane earthed?	Y <input type="checkbox"/> N <input type="checkbox"/>
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**Section 8 – Lift Site Plan**

*Sketch the site features and equipment. Indicate the crane location, load location, load destination, obstructions in the lift path and known below ground factors (soft ground, buried utilities, culverts etc.)*

