

**Evaluation of Mandatory Requirements for 5T Deck Crane Supply**

Minimum Mandatory Requirements		Contractor to check “Yes” or “No” if Mandatory is met and comment		
No.	Description	Yes	No	Contractor to note where mandatory requirement is met within bid proposal or explain.
1.	Type: Fixed-length boom, with 10 meter radius			
2.	Service: Marine compatible, corrosion resistant and water resistant			
3.	Power: Self contained electro-hydraulic			
4.	460VAC/3ph/60Hz			
5.	SWL: 5 tonnes @ 10.0 m			
6.	Maximum reach: 10.4 m			
7.	Minimum Radius: 2.5 m with boom fully topped			
8.	Max working list: 10 degrees			
9.	Max working trim: 2 degrees			
11.	Centerline of Boom in Horizontal Position 4.6 Meters above Main Deck			
12.	Boom Angle: Indicator to be fitted on the boom			
13.	Slewing: 360 degrees, maximum rate 1.5 rpm			

14.	Above Pedestal: Maximum radius 1.7 Meters to clear obstructions			
15.	Boom topping: Time from Min to Max 30 seconds with 5 tonnes load			
16.	LED floodlight with swivel fitted on Boom			

#### **Controls**

17.	Manual hydraulic levers			
18.	Limit Switch for luffing			
19.	Oil level switch			
20.	Oil temperature switch			
21.	Oil pressure switch			
22.	Load Moment indicating device			

#### **Operator's Cab**

23.	Operator viewing height shall be located at 4.6 metres above deck			
24.	The cab shall be located on the left hand side of the boom			
25.	Cab to be insulated inside			
26.	Safety glass to be fitted to front window, side window, and roof window			

27.	Dome light inside			
28.	Swing-out window in front			
29.	Window fan, wiper			
30.	Unit heater in cab			
31.	Illuminated instrument panel with dimmer control			
32.	Stop Start pushbutton			
33.	Oil level alarm			
34.	Oil temperature alarm			
35.	Boom angle alarm			
36.	Oil pressure gauge or meter			
37.	Load Indicator			
38.	Cab heater control			
39.	Cab light switch			
40.	Boom light switch			
41.	Emergency Stop push button			

42.	Operator Instructions to be posted at console			
43.	Load Diagram to be posted inside of crane cab			
44.	Winch shall be hydraulically driven			

#### Winch

45.	Line Pull: 5 ton			
46.	Line Speed: 25 m/min			
47.	Wire: 50 metres			
48.	Hook with swivel and safety latch			

#### Electro-hydraulic power unit

49.	Single skid mounted electro-hydraulic power unit			
50.	Stainless steel tank			
51.	Power unit shall be contained within crane			

#### Standards/Certification

52.	Meets Transport Canada TP127 – Ships Electrical Standards			
53.	Lloyd's Register Rules and Regulations for the Classification of Ships Approved			
54.	Classification or API Certification of Cranes			

### Spares

55.	Spares for Level 1 and Level 2 maintenance included in bid with list			
56.	Fifteen year list of manufacturer recommended spares			

### Manuals

57.	Manuals Provided as indicated			
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### Installation Specification

58.	Installation Specification cost included for drawings/specifications			
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### Separate Cost for FSR

59.	Authorized Service Representative Cost for Proof of Performance requirements and load test as separate cost			
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