

TECHNICAL SPECIFICATIONS

Crane-Annexure C

KTDMC Specifications		Supplier Specifications
Crane Make		
Crane Model No		
Country of Origin		
Manufacturer Name		
Main Specifications	Values	Values
Height of Channel	7.62 m	
Crane Span	5.79 m	
Length of Railings (Travelling Distance)	45.11 m	
Railing type	Steel structure (below floor level)	
Distance Between Main and Auxiliary Hook	4 ft.	
Max. Testing Load for Main Lifting	6x1.25 Ton	
Max. Testing Load for Aux. Lifting	3x1.25 Ton	
Working Class	M5 or Equivalent	
Operating and maintenance manual	Operating and maintenance manual is required	
Protection Level	IP55	
Insulation Grade	Class H	
Hook type	Swiveling "C" Type with lock	
Cable system	Flat type high temperature resistant rubber soft copper wire cable	
Swing bearings	Four-Point Contact Ball Bearings	
Working temperature	(0° to approx 50 °C)	
Min.wheel pressure	45 KN	
Complete crane	Rust proof with red oxide coating also with crane standard color	
Hoist	Values	Values
Hoist	European standard or equivalent	
Hoist duty group	M5 or equivalent	
Load (SWL)	6000 Kg / 3000 Kg	
Voltage (main)	(380 ~ 415) V	
Voltage (control)	24/48 V	
Frequency	50 Hz	
Height of lift	Min 3.65 m	
Hoisting control type	2 speed with remote control	
Hoisting motor power (6/3 Tons)	(6~9.5)/(1~2.5) KW (3~4)/(0.5~1.6) KW	
Hoisting speed (high)	(4~5) m/min	
Hoisting speed (low)	(0.8~1.5) m/min	
Traveling Machinery	Values	Values
CT Motor Power	2 x (0.1~0.55) KW	
CT Motor Speed	(0~20) m/min	
LT Motor Power	2 x (0.75~1.0) KW	
LT Motor Speed	(0~30) m/min	
Trolley traversing duty group	ISO M5 or equivalent	
2-Step limit switch, trolley traveling (slow + stop).	Safety limit switches for hoisting cross travel and long travel crane motions	
Electrical Control Box	Values	Values
Control box	Cable with color marks and galvanized steel pipe protection	
Wheel	Values	Values
Surface treatment	Surface hardening treatment	
Strength	Forged steel ultra-high strength steel material or equivalent	
Brake for CT and LT motions	Values	Values
Brake type	Electromagnetic disc brake (closed type)	
Friction plate	Long life non-abestos friction plate	
Brake torque	Min. 300%	
Sound and Light alarm	Values	Values
Light	Ambulance Light	
Sound intensity	Min. 100 DB	
Any other specifications should be enclosed with this bidding documents		
Civil Works		Details of Civil Work Should be Attached
List of Spares		Details of Spares Should be Attached
Safety Features		Details of Safety Should be Attached
Remarks: Catalogues, Manual and any other document supporting to Crane should be enclosed.		