

Company Name						
Double Girder EOT Crane Material Cost as per IS: 3177-1999						
Customer :-	ABC Private Limited, Metoda GIDC, Rajkot			Offer No. & Date:-	1	12-11-2025
Type of Crane :-	D/G EOT Crane			Speed of Crane:-	Main	Creep
Capacity- MH/AH :-	20	5	Tonnes	Main Hoist:-	2.50	VVVF Drive
Span of Crane :-	20	Mtr		Aux. Hoist:-	3.50	VVVF Drive
Height of Lift :-	10.00	10.00	Mtr	C.T.:-	15	VVVF Drive
Class of Crane :-	M5			L.T.:-	20	VVVF Drive
Location :-	Indoor			CT Rail Size-Kg/Mtr	50mm Sq.bar	20
Crane Weight :-	18.67	Ton	Approx	LT Rail Size-Kg/Mtr	50mm Sq.bar	20
Crab Weight :-	3.81	Ton	Approx			
Box Section:-	Box Size:-			Thickness:-		
	Width	500	mm	Top	10	mm
	Depth	1100	mm	Bottom	10	mm
	Weight	219	Kg/ mtr	Web	6	mm
				Including Stiffeners		

Crane Structure	Weight in Kg	Price in Kg		Steel	Fab	Remarks
(a) Box Girder	8748	55	15	4,81,116	1,31,214	
(b) Box Girder Wastage	700	55	-	38,490	-	@8%
(c) C.T. Rail	785	65	15	51,025	11,775	
(d) C.T. Rail-Clamp				-	-	
(e) End Carriage	1600	55	15	88,000	24,000	
(f) Crab	1269	55	15	69,810	19,040	
(g) Platform	1200	55	15	66,000	18,000	
(h) "I" Track	0	55	15	-	-	for Festooning + Pendant
(i) 0 + Stair	0	55	15	-	-	
Sub Total	14310				9,98,500	

L.T. Mechanism	Discription & Qty.		Unit Price	Total Price	Remarks
Electrical Motor	1.10	2	9,929	19,859	BBL-Sq. Cage
Gear Box	BF40	2	35,000	70,000	IC BAUER
AC Disc	T75	2	2,970	5,940	Temporiti
-	-	2	-	-	-
Brake drum with coupling		2	-	-	
Brake drum		2	-	-	
LT Motor Mounting Platform			-	-	
<u>Wheel Assembly</u>	Forged Steel				
Wheel dia	320	4	31,250	1,25,000	
Geared coupling	-	-	-	-	
Sub Total				2,20,800	

M.H. Mechanism	Discription & Qty.		Unit Price	Total Price	Remarks
Electrical Motor	11.00	1	63,380	63,380	BBL-Sq. Cage
Gear Box	HC-500	1	1,64,000	1,64,000	Motion
AC Disc	T140D	1	15,345	15,345	Temporiti
-	-	1	-	-	-
Brake drum with coupling			-	-	
Brake drum			-	-	
Gear Coupling	-	-	-	-	
Rope drum bearing block	22208		8,000	8,000	
Rope drum with M/c			452 120	54,238	
Wire Rope	16	100	229	22,880	Usha Martin
Bottom Pulley Block Assembly with Pulley	20	1	1,11,613	1,11,613	Sarvodaya
Upper Pulley Block Assembly with Pulley		1	38,924	38,924	
Sub Total				4,78,400	

A.H. Mechanism	Discription & Qty.		Unit Price	Total Price	Remarks
Electrical Motor	3.70	1	19,399	19,399	BBL-Sq. Cage
Gear Box	HC-300	1	36,000	36,000	Motion
AC Disc	T100	1	7,645	7,645	Temporiti
-	-	1	-	-	-
Brake drum with coupling			-	-	
Brake drum			-	-	
Gear Coupling	-	-	-	-	
Rope drum bearing block	22208		5,700	5,700	
Rope drum with M/c			156.6 120	18,786	
Wire Rope	12	50	156	7,788	
Bottom Pulley Block Assembly with Pulley	5	1	17,609	17,609	
Upper Pulley Block Assembly with Pulley		1	4,927	4,927	
Sub Total				1,17,854	

Company Name

Double Girder EOT Crane Material Cost as per IS: 3177-1999

C.T. Mechanism	Discription & Qty.		Unit Price	Total Price	Remarks
Electrical Motor	0.55	2	8,520	17,039	BBL-Sq. Cage
Gear Box	BF20	2	16,000	32,000	IC BAUER
AC Disc	T70	2	2,750	5,500	Temporiti
-	-	-	-	-	
Brake drum with coupling			-	-	
Brake drum			-	-	
Wheel assembly	Forged Steel				
Wheel dia	200	4	12,000	48,000	
C. T. Shaft			-	-	
Geared coupling	-	-	-	-	
SUB TOTAL				1,02,600	

Electrical Panel	Discription & Qty.		Unit Price	Total Price	Remarks
Main hoist-KW			57,358	57,358	VVVF Drive
Auxiliary Hoist-KW			35,116	35,116	VVVF Drive
Cross travel-KW			27,231	27,231	VVVF Drive
Long Travel -KW			29,941	29,941	VVVF Drive
Protective Panel KW			20,130	20,130	
MH Resistance Box			-	-	
AH Resistance Box			-	-	
CT Resistance Box			-	-	
LT Resistance Box			-	-	
Panel Enclosure	1000x1000x300	1	14,205	14,205	
Panel Internal Wiring			4,735	4,735	
Sub Total				1,88,800	

Electrical Cable	Discription & Qty.		Unit Price	Total Price	Remarks
Main hoist Motor Cable	6 x 4 Core	40	254	10,142	
Auxiliary Hoist Motor Cable	2.5 x 4 Core	40	106	4,246	Trailing Cable
Cross travel Motor Cable	2.5 x 4 Core	80	106	8,492	
Long Travel Motor Cable	2.5 x 4 Core	56	106	5,944	Fixed Cable
Hoist & CT Lmit Switch Control Cable	1 x 12 Core	40	155	6,182	
Hoist & CT Brake Control Cable	1.5 x 3 Core	120	55	6,600	Trailing Cable
LT Brake Cable	1.5 x 3 Core	25	55	1,375	
Pendent Control Cable	1 x 12 Core	13	155	2,009	Fixed Cable
Main Supply Cable	10 x 4 Core	27	423	11,420	
LT Limit Switches	1.5 x 4 Core	20	65	1,298	
Load cell with display	0	0	-	-	
Hooter	0	0	-	0	
UBL	0	0	-	0	
Master controller	0	0	-	0	Fixed Cable
Cabin Push Button	0	0	-	0	
Anti Collision Device	0	0	-	0	
Humen Sensor	0	0	-	0	
Encoder	0	0	-	0	
Drag Chain without Cable			-	-	
C-Rail with Accessories			9,000	9,000	
Cable Tray			-	-	
Cable Gland			2,000	2,000	
Ferrul + Lugs			1,000	1,000	
Cable Trolley for Crab			-	-	
Cable Trolley for Pendent			-	-	
Sub Total				69,800	

