



PULL-MAC CRANES INDIA PVT. LIMITED

ENGINEERS, MANUFACTURERS & EXPORTERS

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PULL-MAC

Ref.: -PMCIL/QTN/23035(12)/23-24

Dated: -29/03/2024

M/s. Sardhana Papers Pvt Ltd.

Sardhana, Meerut, Uttar Pradesh.

Kind Attn: **Director Purchase.**

SUB:- QUOTATION FOR 20 MT CAPACITY DOUBLE GIRDER E.O.T. CRANES.

Dear Sir,

With reference to your requirement of subject E.O.T. Crane, we have pleasure to enclose our technical and commercial offer at annexure A, B and C respectively. We are confident that you will find our offer technically well sound and commercially most competitive.

We would like to state that ours is a Company manufacturing E.O.T. cranes, Hoist, Winches, Grab Crane, goods Lift and other Material handling equipments from the more than two decades and have supplied to several manufacturing industries and Government Organizations. We have complete infrastructure to manufacture Material handling Equipment including E.O.T. cranes. We have independent quality control and testing setups with in-house metallurgical lab to assure good quality products inbuilt with highest technologies. All inputs, which are used in our products, are meet with the requirements of IS/BS standards and DIN provisions, To assure the exacting quality that our customers demand, we resource all our components from the manufacturers of international standards.

We now await your valued purchase order at the earliest.

Thanking you and assuring you our best of services.

Yours faithfully,

For **Pull Mac Cranes India Pvt. Ltd.**

Javed Siddiqui

(Director)

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ANNEXURE-‘A’**TECHNICAL SPECIFICATION OF 20 M.T. CAPACITY DOUBLE GIRDER E.O.T. CRANE**

<u>S. No.</u>	<u>Particular</u>	<u>Details</u>
1.	Crane capacity (SWL)	20 M.T.
2.	Main Hoist Capacity	20 M.T.- 1 No
3.	Area of operation	Indoor.
4.	Class of duty	Class –III.
5.	IS Code	IS 807 and 3177
6.	Bridge	Bridge construction will be of plate box type in double girder design
7.	Span	22.6 Mtrs.
8.	Lift	14.0 Mtrs.
9.	Speeds	
	Main Hoist	2.5-3 M/min through VVVF Drive
	Micro Speed in Hoist	0.3 M/min through VVVF Drive
	Cross Travel	12-15 M/min through VVVF Drive
	Micro Speed in CT	1.5 M/min through VVVF Drive
	Long Travel	18-20 M/min through VVVF Drive
	Micro Speed in LT	2.0 M/min through VVVF Drive
10.	Motors	
	Type of Motor	Sq. cage, Crane duty, totally enclosed fan cooled type, class F insulation, 150 starts per hour rating
	Main Hoist	30.0 HP, 6 pole, Crane duty
	Cross Travel	5.0 HP, 6 pole, Crane duty
	Long Travel	2 x 5.0 HP, 6 pole, Crane duty
	Make of motor	Marathon/Crompton Greaves
11.	Brakes	
	Type of Brakes	Crane duty electro-hydraulic thruster brakes
	Size of Brakes	
	Main Hoist	1 x Ø 300 mm
	Cross Travel	1 x Ø 150 mm
	Long Travel	2 x Ø 150 mm.
	Make of brake	Speedmac / BEW/CCE.
12.	Wire rope	
	Type of Wire Rope	6x36 construction, 180 Kg/sq. mm, FMC
	Main Hoist	
	Size of Wire Rope	Ø 22 mm
	No. of falls	6 fall
	Make of Wire rope	Usha martin make

13.	Hook	
	Type of Hook	‘C’ type, plain shank trapezoidal section as per IS- 3815.
	Main Hoist	20 Ton – 1 No.
	Make of hook	karan engineering / smriti forge.
14.	Wheels	
	Long Travel	Double flanged forged steel wheels with antifriction bearings with ‘L’ type Plummer blocks will be provided. The wheels will be of EN 9 forged material.
	Size	Dia – 500 mm – 4nos
	Cross Travel	Double flanged forged steel wheels with antifriction bearings with ‘L’ type Plummer blocks will be provided. The wheels will be of EN 9 forged material.
	Size	Dia – 250mm – 4nos
15.	Gear Boxes	
	Type of Gear Boxes	Spur/Helical Type Gearboxes, gear boxes will be of totally enclosed type with splash lubrication system and Gears will be of EN 9 material and pinion will be of EN 19/24material.
	Main Hoist	HR- 650 – 1 No
	Cross Travel	VR- 400 – 1 No
	Long Travel	HR- 400 x 2 no.
	Make	PULL MAC make
16.	Rope Drum	Rope drum shall be of mild steel fabrication from seamless pipe duly machined with double sided grooves.
17.	Limit switches	
	Main Hoist	Rotary geared type, Qty - 1 no.
	Cross Travel	Lever type, Qty- 1 no.
	Long Travel	Lever type, Qty- 1 no.
	Make	Crane control equipments.
18.	Coupling	Flexible geared coupling, cross travel and long travel transmissions flexible geared coupling on floating shaft principle will be provided. Make – Pull Mac
19.	Maintenance Platform	Full length anti skid steel platform with hand railing will be provided on the one side of the crane and 2 nos. short platforms will be provided on the other side of the crane
20.	Buffers	Rubber buffers will be provided on the end carriages for cross travel & long travel.
21.	Control Panel	The crane protective panel shall be of steel metal with following items will be provided. <ul style="list-style-type: none"> a. Push button for stopping all the motions. This also acts as an emergency stop. b. Thermal overload relay for individual motor. c. Indicating lamp.
	Make of Components	
	Contactors	Siemens/L&T

	Time delay relays	BCH
	Over load relay	TC/ SIEMENS / L&T
	Fuses	TC C&S, SIEMENS
	Cables	ISI Approved make.
22.	Resistance box	For VVVF Drive.
23.	Power collection system for Crab	Power collection system for the crab shall be provided by means of flexible cables traveling through cable trolleys on T- track .
24.	Operation	Floor Operated through push button pendent station.
25.	Power	AC, 415V, 3 Phase, 50 Hz.
26.	Control Voltage	110V. AC
	Painting	All parts will be thoroughly scrapped cleaned and two coat of red oxide paint and two coat of synthetic paint will be applied before the crane leaves our work.
	Colour	Golden yellow
27.	Make	Asian/Nerolac/Berger/Shalimar.
28.	Load Testing	Crane will be tested with 25% overload at site.
29.	Long travel Power system	Through Shrouded Bus Bar DSL (Quoted Separately)

ANNEXURE-‘B’
PRICE SCHEDULE

<u>S. No.</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>	<u>Amount</u>
1.	20 M.T. Capacity Double girder E.O.T. Crane (as per annx-A)	01 no	Rs. 34,60,000.00	Rs.34,60,000.00
2.	Erection & Commissioning charges	01 job		
3.	Transportation			At actual extra

ANNEXURE- ‘C’
TERMS AND CONDITIONS: -

1.	SALES TAX	GST @ 18 % will be charged extra.
2.	PAYMENT	Our prices are based on the following payment terms Prices mentioned by us are for unit each Ex-works, Ghaziabad. 40% advance along with confirmed order and balance against Performa invoice at our works.
3.	DELIVERY	The delivery of the crane shall be effected in 3-4 months from the date of receipt of your technically and commercially clear order and advance.
4.	INSPECTION	Inspection will be carried out by your authorized Inspector at our works prior to dispatch.
5.	VALIDITY	Our offer will remain valid for a period of 30 days and reconfirmation thereafter.
6.	GUARANTEE	We hereby guarantee to replace free of cost Ex-works, Ghaziabad. Any component found defective due to bad workmanship or faulty raw material. Provided the defected are not, due to damage during transit, bed storage, misuse, mishandling of the equipment at customer's site or due to normal wear and tear. This guarantee will be valid for a period of 12 months and will effect from the date of commissioning of the crane.
7.	OTHER CONDITIONS	Unloading of crane is in purchaser's scope. All consumable like gear oil, grease, transformer oil, welding electrodes, gar cutting set, welding machine etc. required for the commissioning of the crane shall be provided by the purchaser.

We hope you will find our offer in accordance with your requirement and we now look forward to receiving your valued order at an early date.

Thanking you and oblige,

For **Pull Mac Cranes India Pvt. Ltd.**



Javed Siddiqui
(Director)
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