

PULL-MAC CRANES INDIA PVT. LIMITED
ENGINEERS, MANUFACTURERS & EXPORTERS

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PULL-MAC



ISO 9001-2015 CERTIFIED
Mob : 09818541786

Ref: -PMCIL/QTN/23035(1)/23-24

Dated: -22/08/2023

M/s. **Sardhana Papers Pvt Ltd.**
Sardhana, Meerut, Uttar Pradesh.

Kind Attn: **Director Purchase.**

SUB:- QUOTATION FOR 60 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.**

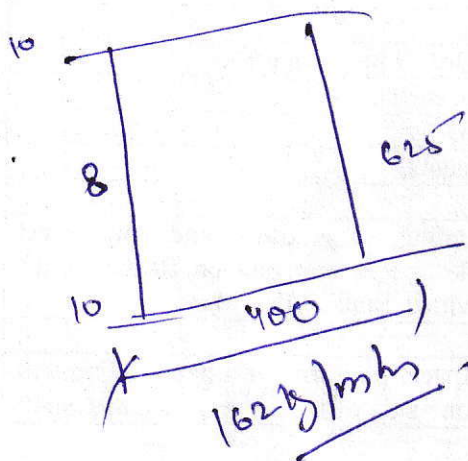
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ANNEXURE-'A'**TECHNICAL SPECIFICATION OF 60 M.T. CAPACITY DOUBLE GIRDER E.O.T. CRANE
WITH 2 NOS CRAB UNIT OF 60 & 30 TON CAPACITY EACH)**

S. No.	Particular	Details
1.	Crane capacity (SWL)	60 M.T.
2.	Main Hoist Capacity	60 M.T.- 1 No & 30 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	21.5 Mtrs.
8.	Lift	14.0 Mtrs.
9.	Speeds	
	Hoisting	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 60 Ton	60.0 HP, 6 pole, Crane duty
	Main Hoist 30Ton	30.0 HP, 6 pole, Crane duty
	Cross Travel 60 Ton	7.5 HP, 6 pole, Crane duty
	Cross Travel 30 Ton	5.0 HP, 6 pole, Crane duty
	Long Travel	2 x 7.5 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 60 Ton	2 x Ø 400 mm
	Main Hoist 30Ton	1 x Ø 300 mm
	Cross Travel 60 Ton	1 x Ø 200 mm
	Cross Travel 30 Ton	1 x Ø 150 mm
	Long Travel	2 x Ø 200 mm.
	Make of brake	Speedmac / BEW/CCE.
12.	Wire rope	
	Type of Wire Rope	6x36 construction, 180 Kg/sq. mm, FMC

	Main Hoist 60 Ton	
	Size of Wire Rope	Ø 32 mm
	No. of falls	8 fall
	Main Hoist 30 Ton	
	Size of Wire Rope	Ø 22 mm
	No. of falls	6 fall
	Make of Wire rope	Usha martin make
13.	Hook	
	Type of Hook	Ramshorn & 'C' type, plain shank trapezoidal section as per IS- 3815.
	Main Hoist 60 Ton	60 Ton - 1 no – Ramshorn Type..
	Main Hoist 30 Ton	30 Ton – 1 No – C type
	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 – 450mm – 8nos
	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 60 Ton	Dia – 450mm – 4nos
	Size 30 Ton	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 60 Ton	HR- 1000 – 1 No.
	Main Hoist 30Ton	HR- 650 – 1 No.
	Cross Travel 60 Ton	VR- 475 – 1 No.
	Cross Travel 30 Ton	VR- 400 – 1 No.
	Long Travel	HR- 450 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. each crab.
	Cross Travel	Lever type, Qty- 1 no. each crab
	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. 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)



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ANNEXURE-'B'
PRICE SCHEDULE

<u>S. No.</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>	<u>Amount</u>
1.	60 M.T. Capacity Double girder E.O.T. Crane with 2 no. crab (as per annx-A)	01 no	Rs. 87,10,000.00	Rs. 87,10,000.00
2.	Erection & Commissioning charges	01 job	Rs. 4,00,000.00	Rs. 4,00,000.00
	Total			Rs. 91,10,000.00
3.	Shrouded Bus Bar DSL, AL, 4 bar		Rs. 2,850.00 per mtr bay	
4.	Alignment & fixing charges		Rs. 500.00 per mtr bay	
5.	Gantry Track for 60 Ton crane C-C = 6mtrs		Rs. 28,000.00 per mtr bay	
6.	Alignment & fixing charges		Rs. 5,000.00 per mtr bay	
7.	Suitable Rail 120 Lbs/yd for 60 Ton crane		Rs. 10,800.00 per mtr bay	
8.	Alignment & fixing charges		Rs. 2,500.00 per mtr bay	
9.	Transportation Charges		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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