



Techno Machine Tools

(MANUFACTURERS OF MACHINE TOOLS)

T SIVARAMAKRISHNA
ME., MBA.

TMT/ khammam/S0349/2025

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To
Sai,
Khammam
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Sir,

**Subject : Design, Manufacturing, Supply, Supervision of Erection and Commissioning
of 3 Ton EOT Crane - Reg.**

Design, Fabrication, Supply and Erection of Per Set Rs. 6,80,000/- (Six lakh Eighty thousand only) all fabricated parts into your account

General Specifications

- Type of EOT Crane : Single Girder Electrically Operated
Conforming to IS 3177 and 807
- Capacity of the EOT Crane : 3 Tons
- Span of the EOT : 13.7 mts
- Lift of the EOT : 3.5 mts
- Type of Service : Indoor
- Class (Mech /Elec) : Class II
- Mode of Operation : Pendent Operated
- Type of Arrangement : Single Girder Box Type
- Ambient Temp. Considered : 50 Deg C

Lifting Equipment Specifications for 3 ton Unit

- Type of Crab Proposed : 3 Ton Cap Wire Rope Crab
- Type of Gear Box Casing Used : Totally Enclosed type Fabricated
Stress Relieved and Machined
- Material used for gears used in crane : Machine Cut Helical Gears Hardened
and Tempered



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- Lubrication Provided for Gear Box : Splash Type Lubrication
 - Bearing Used in the Gear Box : Self Aligned Anti Friction type
Spherical Roller Bearings
 - Size and Make of Wire Rope : Dia 8 mm x 6/36 Const FM Core-Usha
Martin
 - Hoisting Speed : 3 mts/min
 - Type of Hook : C type Hook conforming to IS 3815
 - Class (Mech / Elec) : Class II
 - Lift of the Crab : 3.5 mts
 - No. of Falls : 4 falls
 - Rope Drum : Fabricated using Low Carbon Steel /
Seam less Pipe conforming to IS 2062 and duly
stress relieved
 - Motor Used : Sq Cage Induction Motor Crane duty-
6 pole Class F/3 HP/40% CDF/150 Starts/hr
- BB/Siemens Make
 - Type of Brake Used : EHT Brake- Dia 150 mm – 1 no of
SOC Make
 - **Type of Limit Switch Provided** : **Rotary Geared Type**

Cross Travel Trolley

- Class of Duty (Mech /Elec) : Class II
- No. Of Driver : 1 no
- C T speed : 5 mts/min
- Motor Used : Sq Cage Induction Motor Crane duty-
6 pole Class F/1 HP/40% CDF/150 Starts/hr
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- Type of Drive Proposed for Cross Travel : BB Make
Floating Shaft Type Drive
 - Wheel Housings used for CT : Bracket Type
 - **Type of Limit Switch Provided** : **Shunt –2 Way Roller Leaver Type**
 - Specification of Wheels Used for CT : C 55 Mn 75 Forged Steel and
Hardened to 30 HRC with diameter of 280 mm

Long Travel Trolley

- Class of Duty (Mech /Elec) : Class II
- No. Of Driver : 1 no
- L T Speed : 10 mts/min
- Type of Drive Proposed for Long Travel : Twin Drive
- Motor Used : Sq Cage Induction Motor Crane duty–
6 pole Class F/1 HP/40% CDF/150 Starts/hr
- BB Make
- Wheel Housings used for LT : Bracket Type
- Specification of Wheels Used for LT : C 55 Mn 75 Forged Steel and
Hardened to 30 HRC with diameter of 350 mm
- Rail Size Considered for LT : 40 lbs Rail

Structure Considered

- Platform : Full length on one side & Two Short
on other
- Girder for C T beam : Fabricated box type using M S plates
- End Carriages : Fabricated box type using M S Plates
- Type of Trail Cabling for Cross Travel : Through Flexible Trail Cabling



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- Material used for Fabrication of crane : M S Conforming to IS 2062
- Painting Details : Two Coats of ROMP – two Coats Enamel paint
- Safety features incorporated in system : Limit Switches for Hoist, LT, CT will be provided

Electrical and Other Specifications

- Control Panel : Own make fabricated
- Cables used : Flexible copper cables
- Limit Switches : Reputed Makes will be used

2. Fabrication and Supply of Bus Bar Arrangement for Electrical supply as per the Following Specs.

- Total Length of the Bus Bar : As Per Your Requirement
- Safe track type of enclosed Bus Bar : Safe track
- Capacity of the Bus Bar : 50 amps - GI
- Section used for the Bus Bar Brackets : Enclosed U type channel

GENERAL TERMS & CONDITIONS:

1. Price quoted per unit ex-work. Hyderabad.
2. Following charges are additional to your account.
 - ✓ Freight Charge : As actual to be borne by you.
 - ✓ Excise : Extra As Applicable
 - ✓ Sales Tax : Extra as applicable
 - ✓ Packing charge : As actual to be borne by you.
 - ✓ Insurance : As actual to be borne by you.
3. Payment & Delivery : 50% advance delivery within one 45 days.
4. Validity : One month from the date of submission.
5. Inspection : Inspection at our works prior to dispatch.
6. Warranty : The machine is warranted for a period of 12 months from the date of dispatch against any manufacturing defects/ faulty material or bad workmanship of any part or component but not against any kind of abnormal or



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7. Commissioning : improper use of machine. Defective part or component will be replaced or repaired free of cost. Electrical components are outside the scope of this warranty.
: Erection & commissioning done by you, but required technical support & guidance provide by us at additional cost.

NOTE:

1. Oil is not in our scope of supply.
2. Raw material for trial is to be arranged by you at your cost.

We are sure you will find our offer in line with your requirements. Should you require any further clarification please contact 9246221106/9849207176 email: **techno9246221106@gmail.com**

Thanking you and assuring you of our best services.

For Techno Machine Tools

T.SIVARAMAKRISHNA