

**Annexure to T.No. 65.12.8037**

**TECHNICAL SPECIFICATIONS OF 5.0 TON S/G EOT CRANE WITH 5 TON**

**HOIST.**

**CRANE GIRDER SIZE**

BOX GIRDER TYPE

**Capacity**

5.0 Ton

**Hoist Model**

223-14(CO) or similar

**Location**

Indoor

**Height of lift**

6.0 meter

**Crane Headroom**

1200 mm

**Span**

17.5 Meter(Center to center distance of Gantry rail)

**Hoisting speed**

3.5 Meter/Min

**Hoist Motor**

7.5 H.P. 1440 RPM, Parallel Rotor, Crane duty, Class F insulation, 1hr. Rating of MEGHA make or similar, IP-55 protection.

**Hoist Brake**

Electro Magnetic Disc type, 100% fail safe

**C.T.Speed**

12.0 Meter/Min

**C.T.Motor**

1.0 H.P. 1000 RPM, Crane duty, Class F insulation, 1 Hr. Rating of MEGHA make or similar, IP-55 protection, class F insulation.

**C.T.Brake**

Electro Magnetic Disc type 100% fail safe fitted to C.T. Motor shaft

**L.T.Motor (Optional)**

2.0 H.P. 1000 RPM, Crane duty, Class F insulation, 1 hr. Rating of MEGHA make or similar, IP-55 protection and class F insulation.

**L.T. Brake**

Electro Magnetic Disc type brake, 150mm dia., 100% fail safe of reputed make.

**L.T.Speed**

15.0 Meter/Min

**Applicable standard**

I.S.807 and I.S. 3177 class-III Heavy duty

**Control Voltage**

110 Volts

**Supply voltage**

400-440 volts, 3 Ph: 50 C/A.C

**Limit switches**

HOIST : Roller type

C.T. : Two way lever type

L.T. : Two way lever type

**Hook**

As per I.S.3815, mechanical locking device, thrust bearing & swivelling with Locking arrangement.

**Operation**

From floor level by Pendant push button station

**Control panel**

Make of contactors: Telemechanique of suitable ratings  
Pendant station shall be Metallic/Plastic of reputed make.  
Overhead Relays for hoisting, C.T & L.T. shall be provided in control Panel.

**Bearings**

Limit switches: Siemens/BCH/Tech systems or equivalent.  
Bearings shall be SKF /FAG/TATA or equivalent.

**Rope Dia & const.**

12 mm with 4 falls, 6x36 construction, FMC, tested quality, Usha Martin or similar

**Soft-starter**

For L.T. drive provided.

**Rope Drum**

M.S seamless pipe /Fabricated from, M.S. Plate as per IS 2062 and groove shall be as per IS 3938

**Ambient Temp.**

45 Degree.

**Qty.**

1 No.

*Handwritten signature*

For Controller of Stores