

MAJOR MACHINES AVAILABLE WITH EWS SINI

PLATE STRAIGHTENING MACHINE



The Plate straightening machine is used to straightening the 6mm to 40mm size plates which is used to Fabrication of Girders. This machine is located at Girder Shop. The average cost of the machine is 4 Crore.

ELECTRIC OVERHEAD TRAVELLING CRANES



Electric overhead traveling cranes or EOT cranes is used to carry and lift heavy objects like girders and its loose components etc. There are different capacities of EOT Cranes available in our Engineering workshop Sini like 15/05 Ton Double girder EOT Crane, 10/05 Ton Double girder EOT Crane, 5 Ton and 2 Ton Single Girder EOT Crane. Recently A New EOT Crane Make-KRANE 10/5 TON Double Girder EOT Crane (Mfg. SL No-5/10/2021) 17.25m span, Class-IV with remote & cabin is commissioned on dt. 08.06.2023 at Girder shop(5B) of this workshop. Average cost of the EOT Crane ₹35,31,740/-

END MILLING MACHINE



★ End Milling machines are used in Milling Application such as Profile Milling, Tracer Milling, Face Milling etc.
★ It is used for smooth finishing of the cut ends of steel components like stiffeners, web/flanges of I- Section.

SUBMERGED ARC WELDING MACHINE

Submerged Arc Welding Machine is used for Welding of Flange Plate with Web Plate in fabrication of Welded Girder and composite Girders of Engineering Workshop Sini. This machine is capable to weld 6-10mm in Single run and more thickness can be achieved in multi run welding with a moderate speed. This is a vital machine for heavy fabrication work of Girder Shop. The approximate cost of the machine is 5Lakhs.



PLANNING MACHINE



There are total 2 Nos. of Planning machine are available in this Workshop. Cooper Double Column Planning machine is use for machining work of 52kg and 60 Kg tongue rails and stocks rails for Fabrication of 1 in 8.5 curve switch and HEC Double Column Planning machine is use for machining of 52kg and 60 Kg tongue rails and stocks rails for Fabrication of 1 in 12 curve switch .

LATHE MACHINE



A Lathe is a machine tool that rotates a workpiece about an axis of rotation to perform various operations such as cutting, drilling, facing, knurling, grooving, turning ,threading & taper turning etc. with tools that are applied to the workpiece to create an object with symmetry about the axis.

There are total 8 Nos of Lathe machine installed on the shop floor. Lathe machine is one of the most versatile and widely used machine tools all over the world.

This is known as Mother of all machine.

Lathe machine has become a general purpose machine tool employed in production and repair work.

Average Cost of the machine 31 Lakh

BAND SAW MACHINE



The said machine is very useful for cutting of Rails for production of glued Joints and others allied components like SSD Fitting materials, Bunch cutting of various types of round bars, angles etc.

Average Cost of the Machine is 34 Lakh.

RADIAL DRILLING MACHINE

Drilling machine are used to drill mediums to large and heavy work piece. There are total 16 Nos. of Drill machine of Town/HMT/Batliboi/Energy make present in Engineering Workshop Sini. It plays important role in production work of Girders ,FOB, Switches and fittings ,Wear Plates of TT Machines & SSD etc.

Capacity:-
Max. Drilling
Dia. -60mm,
Max. Drilling
Radius
2350mm,
Approx.
cost of the
machine
15 Lakhs

