

Welding Electrode Manufacturing Plant. Production of Stick Electrodes, Welding Rods, Weld Rods.

Description:

An electrode is a metal wire that is coated. It is made out of materials with a similar composition to the metal being welded. Welding electrodes are installed in the weld head to touch and maintain contact with the work pieces through the full weld schedule. The welding electrodes play three different roles in resistance welding: maintaining uniform current density, concentrating current at welding points, and maintaining thermal balance during welding.

Welding electrodes are used for Arc welding purposes. The electrode is coated with the flux. Although electrodes are produced in different gauges, for the purpose of calculation for financial implications of technical details, the assumption has been made for the production of electrodes of 4mm diacore rods. The electrodes are used for fabrication work for joining the steel, alloy steel and cast iron parts for hard facing of jobs etc.

Welding is used to joining two or more metals or thermoplastics permanently with help of coalescence. Many energy sources are used for weldings such as molten metal baths, electric arcs, gas flames, electric resistance, friction, lasers and ultrasound. There are solid states welding processes like friction welding or shielded active gas welding which is widely applied because in these processes metal does not melt. Welding products are used in various end-user industries like marine, building & contractions, automobile, offshore and others.

Cost Estimation:

Capacity:1200 MT/Annum (Welding Rods)

Plant and Machinery cost:21 Lakhs

Cost of Project:165 Lakhs

Rate of Return (ROR):49%

Break Even Point (BEP):40%

For more details download PDF file.

Keywords: Welding Electrode Manufacturing Plant, Welding Electrode Manufacturing Process, Project Profile on Welding Electrode Manufacturing, Welding Electrode Making Business, Welding Electrode Plant, Welding Electrode Manufacturing Unit, Production of Welding Electrodes, Welding Electrode Manufacturing Company, Production of Electrodes, Welding Electrode Manufacturing Machinery, Manufacturing of Welding Electrode, Production of Welding Electrodes, Project Report on Welding Electrodes Production, Welding

Created At: 26 Dec, 2017