



# Techno-economic study of SMAW, GMAW and GTAW welding of SS 201

Stainless Steel 201 plates of different thicknesses were welded with and without groove of 60 degree using SMAW, GMAW and GTAW processes with optimum parameters as per literature. The welded coupons were then tested for strength and ductility and the production costs were also calculated based of consumable and other operational expenses involved. The comparison of these three metal joining processes was done to evaluate the most economical one giving best joint strength for SS201 material.