

# Multi-torches Welding

To design and fabricate an intergrated multiple-torch welding system so as to perform multi-pass welding simultaneously



## Project Overview

To design and fabricate a system for the firing of seven welding torches simultaneously. This is required for welding of large diameter pipes.

## Highlight of Innovation / Technology

- Several welding passes to be done simultaneously rather than sequentially
- Remote online monitoring of welding process to ensure better quality

## Industry Impact

- One-off set up for welding of all passes
- Increases efficiency of welding of pipes
- Cost savings in pipe welding

