CHAPTER 3

SCOPE OF THE PRESENT RESEARCH WORK

The scope of the present work includes

1. Melting of SASS in low cost conventional air induction furnace using ferro-alloys as charge additions.

2. Studying the effect of nitrogen on the mechanical properties and corrosion resistance of the SASS in the solution annealed condition.

3. Evaluating the pitting corrosion susceptibility (due to Mo segregation) of SASS weld metals made by SMAW and GTAW processes at different welding parameters in 3.5% NaCl solution using Potentiostat.