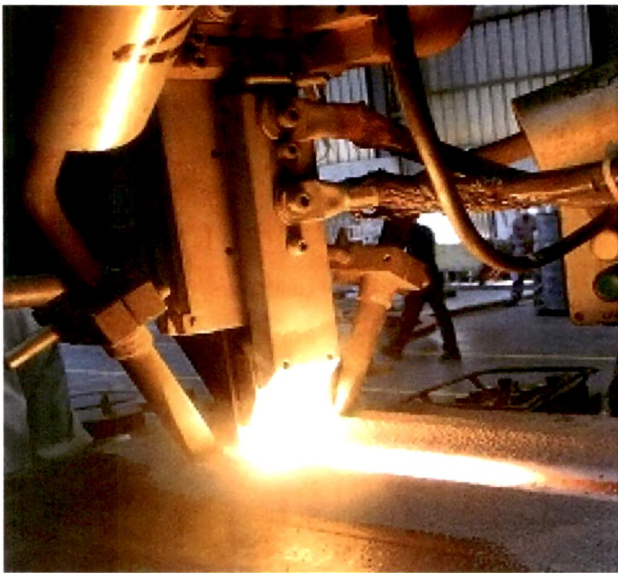


CHAPTER -6

SCOPE FOR THE FUTURE WORK



Scope for the Future Work

1. To develop weld overlay with different strip materials such as Inconel or super duplex stainless steel by ESSC process
2. To study the corrosion behavior of weld overlay developed with Inconel & super duplex stainless steel by ESSC process in different corrosive media.
3. To develop double layer of weld overlay and study the corrosion behavior at different depth from the top of the clad surface.
4. To study the effect of welding parameters on SSC susceptibility in chloride as well in H_2S environment at room temperature as well as at high temperature of weld overlay developed with ESSC process
5. To study the effect of welding parameters on hydrogen disbonding of weld overlay developed with ESSC process
6. To study the effect of double post weld heat treatment (PWHT) on corrosion resistance, microstructure & mechanical properties of weld overlay