The thesis entitled *Some studies on the effect of human factors in industrial accidents* is submitted herewith. The research aim is to investigate the accidental case studies in process industries, accidental fire in the house by repellent and conduct safety survey to measure safety knowledge of LPG auto and tank driver. This study has been made after discussion with work force and management of various chemical industries after getting the primary information from local newspaper/Government sources. Analysis of the incident, probable causes and recommendations are reported. It is observed that human factor is one of the main causes of the accident. The present thesis also pointed out the problems associated with the unsafe activities of human. It also describes the probable modifications, precautions to be taken and lessons learnt.