Aim:

- The aim of my research is to provide the best option out of these two technologies for upcoming new aluminium smelters in the near future on the basis of advantages and disadvantages of each converter technology used in the aluminium smelters.

Objectives:

- To measure the actual key parameters on an operational Diode Rectifier unit at Hindalco works Renukoot.
- To measure the actual key parameters on an operational Thyristor Rectifier unit at Hindalco works Renukoot.
- To compare the measured actual parameters of both the technologies at Hindalco works for the same current rating of the units and analysis the results.