**CHAPTER FIVE**

**CONCLUSIONS**

**5.1 Conclusions**

The mean contracted amount and mean demanded amount used in this work for the two types of nitrogen are chosen slightly different from the forecasted amounts that one can be obtained from the historical data available in the Schlumberger. The following points can be noticed:

* For liquid nitrogen N2, it is noticed that the stock outs is high, the Schlumberger company should try to get the contracted amount higher than the used amount in this study. Simulation model can help to get the contracted amount that will reduce the total cost as possible.
* For liquid nitrogen SH-DP-HMD N2, it is found that the Schlumberger should search about the contracted amount to be lower than the used amount in this study. This will decrease the evaporation amount and total cost. Simulation model will help to do this easily.
* Because of the uncertainty in the received amounts and demanded amounts. The available inventory policies cannot be used here.