Chapter 9

CONCLUTION AND RECOMMENDATION

9.1 Conclusion:

This report has considered the loads which may be encountered for the existing port facilities all the future developments of the port of Colombo and other organizations inside the port. The calculations and forecasts are reasonably realistic as they are consistent on a comparative basis with measured values. All the data were taken from relevant most reliable source.

For the financial calculation, the results received from the forecast and the calculated results of each and every future development project were used.

The results of the study shows that there is a US$ 15,798,276 net saving with the inflation and US$ 15,364,799 additional cost with zero inflation if self generation using Heavy Oil fuel generating plants. The current CEB price is not a real price because CEB run to a loss due to higher production and maintenance cost. Standby Diesel generators are not required in the event of self generation of electricity. Even though the power is purchased from CEB, the standby generators are to be maintained in full capacity.

The increasing container business reveals the importance of reliable and quality electricity supply enhancement. In view of the importance of the power reliability, power quality and the inflation rate, the consideration of self generation of electricity to the Port of Colombo is a key factor to maintain port activities more efficient and more reliable.

9.2 Recommendation:

According to the above results, the project is viable. But there is an additional cost when considering the opportunity cost of capital for SLPA own fund. Since this additional cost can be neglected after further considering the per minute loss to the Port due to a power interruption.

Therefore further feasibility studies are recommended with the consideration of space, fuel supply methods & environmental impacts.