

Appendix F

Responses to the Comments of the External Examiner

Comment: “The cost should be given to compare with that of the conventional type even the performance of the BIS is less.”

Response: The breakdown cost of the BIS system has already been given in Appendix D and the discussion also has been made in Chapter 6 under 6.1 (a), page 57.

Comment: “The optimal size should be estimated by the simulation.”

Response: To determine the optimal size of the BIS system depends on several factors such as effects of size of water flow passage, size of check-valve and thickness of insulated partition as well as the correlation between K_f value and flow configuration. It has been already mentioned in chapter 6 under 6.2 that all these factors should be carefully investigated before any optimization on the system is worth carrying out. The investigation of these factors would take times and may need some additional experiments. Hence it is beyond the scope of this master degree thesis work. However a paragraph expressing the further work on the optimal system size is added at the end of Chapter 6.