Abstract: The afterbody drag which consists of the boat-tail drag and the base drag can be a significant portion of the overall drag of an aerospace vehicle. There is a sufficiently strong need for a facility which can be used for estimating the drag of several afterbody variations of a proposed configuration with a view to minimise the overall drag. In view of this a project to design, build and test a special purpose facility for base flow/afterbody investigations in NAL was approved by ARDB. Considerable progress have been made since the inception of the project in February 1979. The progress of the project during 1985-86 and the future program of work are presented in this report.