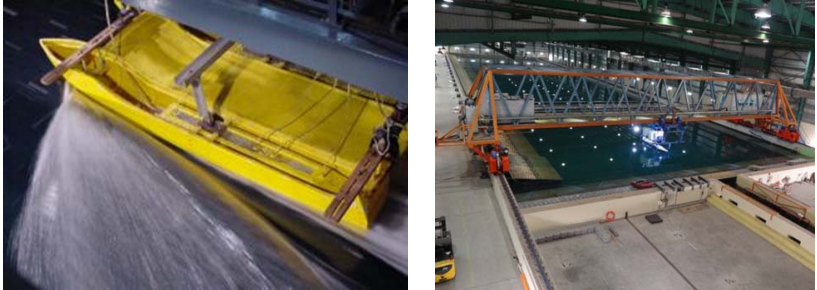


Name of the Equipment / Facility	SEAKEEPING AND MANOEUVRING BASIN (SMB)
Purpose of Use	For conducting model testing for prediction of seakeeping and manoeuvring performance of newly designed ships and submerged bodies under different environmental conditions and for optimising the motion characteristics of the hull form and effectiveness of the control devices under various manoeuvres.
Photograph	
Key Specifications	<p>Basin Dimensions : LxBxD =135 x 37 x 5m Model Length : 3 - 5 m Max. Model Speed: 5 m/s Max. Wave Height : 0.5m - Both free running & captive tests capability</p> <p><u>Main Equipment:</u></p> <ul style="list-style-type: none"> - Wave Generation System (WGS) & Wave Absorption Systems (WAS) - Measuring Equipment & Dynamometry (MED) - Model Tracking System - Data Acquisition & Analysis System (DAAS) - Computerized Multi Motion Carriage (CMMC) : X, ΔX, Y & Φ Carriages