

Department of Civil Engineering, NIT Calicut

TOWING TANK WITH CARRIAGE SYSTEM

Photo of Instrument:



Instrument Name	Towing tank with carriage system
Instrument Model & Serial No.	NA
Instrument Make	Allied Engineering company
Category of Instrument	Testing
Description of Instrument	
Instrument Technical Description and Major Specifications (This Specifications Limited to Major 5)	<ul style="list-style-type: none">• Towing tank -100m*4m*4m• carriage system-carriage frame 4.3*3m• Carriage wheel (4Nos) & polished round track• Carriage driving system with Siemens IE2 series TEFC SQUIRREL cage motor-2Nos• Carriage speed upto 3.5 m/s

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Application of Instrument (Limited to Major 4 or 5)	<ul style="list-style-type: none"> • Ship maneuvering studies • Stability and response studies of ships • Investigation of hydrodynamic performance of marine vehicles • Standardise test of propeller models
Type of Sample Required for Analysis / Testing (Quantity, Pre-Preparation, State etc.) Guidelines for Sample Submission – User Instructions	Scaled model for testing, instrumentation setups have to be planned
Types of Analysis / Testing	NA
Faculty In-Charge Name / Email / Contact	Dr Anand K.V 9940084140 kvanand@nitc.ac.in
Technical Staff Name / Email / Contact	Sharafudheen CT 9847696031 Sharafudheenct@nitc.ac.in
Location of Instrument	Offshore lab
Other Details	NA

User Charges

S.NO.	Type of Analysis / Testing	Internal - within Department of NITC	Internal - Other Departments NITC	External Academic Educational Institutes	National R&D Labs	Industry
1	Testing	NA	Rs 2000/day	Rs 1500/hr	Rs 2000/hr	Rs 5000/hr
2	Pre-testing installations	NA	NA	Rs 2000/day	Rs 5000/day	Rs 10000/day
3	Post testing removal of models and	NA	Rs 2000/day	Rs 5000/day	Rs 5000/day	Rs 10000/day

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	other setup (no charge for first 3 working days)					
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Slot Booking and Payment Work Flow: