

Department of Civil Engineering, NIT Calicut

BASIC HYDRAULIC SYSTEM & WAVE MAKER UNIT

Photo of Instrument:



Instrument Name	Basic hydraulic system & Wave maker unit
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">• Wave flume dimensions 40m*2m*2m• Paddle unit holding frame• Plunger unit height maintain unit• Capable of generating regular waves with wave height from 3 to 8 cm and period ranging between 0.7 to 1.4 s

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Application of Instrument (Limited to Major 4 or 5)	<ul style="list-style-type: none">• Performance of a structure under a regular wave condition• Wave reflection and transmission studies• Testing scale model of wave energy convertor and coastal protection structures• Pressure and force-related studies on the coastal structures
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
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

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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 other setup (no charge for first 3 working days)	NA	Rs 2000/day	Rs 5000/day	Rs 5000/day	Rs 10000/day

Slot Booking and Payment Work Flow: