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	Wave flume dimensions 40m*2m*2m				
and Major Specifications (This	Paddle unit holding frame				
Specifications Limited to Major 5)	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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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 Scaled model for testing, instrumentation setups have Scaled model for testing, instrumentation setups have Type of Sample Required for Analysis / Testing (Quantity, Pre-Preparation, State etc.) Guidelines for Sample Submission – User Instructions Types of Analysis / Testing NA Faculty In-Charge Name / Email / Contact 9940084140 kvanand@nitc.ac.in Technical Staff Name / Email / Contact 9847696031 Sharafudheen CT 9847696031 Sharafudheenct@nitc.ac.in Location of Instrument Offshore lab Other Details	Application of Instrument (Limited to	Performance of a structure under a				
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 Types of Analysis / Testing NA Faculty In-Charge Name / Email / Dr Anand K.V Contact 9940084140 kvanand@nitc.ac.in Technical Staff Name / Email / Sharafudheen CT Contact 9847696031 Sharafudheenct@nitc.ac.in Location of Instrument Offshore lab	Major 4 or 5)	regular wave condition				
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 Types of Analysis / Testing NA Faculty In-Charge Name / Email / Contact 9940084140 kvanand@nitc.ac.in Technical Staff Name / Email / Contact 9847696031 Sharafudheen CT Contact Offshore lab		Wave reflection and transmission studies				
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 Types of Analysis / Testing NA Faculty In-Charge Name / Email / Or Anand K.V Contact 9940084140 kvanand@nitc.ac.in Technical Staff Name / Email / Sharafudheen CT Contact 9847696031 Sharafudheenct@nitc.ac.in Location of Instrument Offshore lab		Testing scale model of wave energy				
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 Types of Analysis / Testing NA Faculty In-Charge Name / Email / Dr Anand K.V Contact 9940084140 kvanand@nitc.ac.in Technical Staff Name / Email / Sharafudheen CT Contact 9847696031 Sharafudheenct@nitc.ac.in Location of Instrument Offshore lab		convertor and coastal protection				
Type of Sample Required for Analysis / Testing (Quantity, Pre-Preparation, State etc.) Guidelines for Sample Submission – User Instructions Types of Analysis / Testing NA Faculty In-Charge Name / Email / Dr Anand K.V Contact 9940084140 kvanand@nitc.ac.in Technical Staff Name / Email / Sharafudheen CT Contact 9847696031 Sharafudheenct@nitc.ac.in Location of Instrument Offshore lab		structures				
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Analysis / Testing (Quantity, Pre- Preparation, State etc.) Guidelines for Sample Submission – User Instructions Types of Analysis / Testing NA Faculty In-Charge Name / Email / Contact 9940084140 kvanand@nitc.ac.in Technical Staff Name / Email / Contact 9847696031 Sharafudheenct@nitc.ac.in Location of Instrument Offshore lab		coastal structures				
Preparation, State etc.) Guidelines for Sample Submission – User Instructions Types of Analysis / Testing NA Faculty In-Charge Name / Email / Contact 9940084140 kvanand@nitc.ac.in Technical Staff Name / Email / Contact 9847696031 Sharafudheen CT Sharafudheenct@nitc.ac.in Location of Instrument Offshore lab		Scaled model for testing, instrumentation setups				
Types of Analysis / Testing NA Faculty In-Charge Name / Email / Dr Anand K.V Contact 9940084140 kvanand@nitc.ac.in Technical Staff Name / Email / Sharafudheen CT Contact 9847696031 Sharafudheenct@nitc.ac.in Location of Instrument Offshore lab		have				
Types of Analysis / Testing NA Faculty In-Charge Name / Email / Dr Anand K.V Contact 9940084140 kvanand@nitc.ac.in Technical Staff Name / Email / Sharafudheen CT Contact 9847696031 Sharafudheenct@nitc.ac.in Location of Instrument Offshore lab	_					
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Contact 9940084140 kvanand@nitc.ac.in Technical Staff Name / Email / Contact 9847696031 Sharafudheenct@nitc.ac.in Location of Instrument Offshore lab	Types of Analysis / Testing	NA				
kvanand@nitc.ac.in Technical Staff Name / Email / Sharafudheen CT Contact 9847696031 Sharafudheenct@nitc.ac.in Location of Instrument Offshore lab	Faculty In-Charge Name / Email /	Dr Anand K.V				
Technical Staff Name / Email / Sharafudheen CT Contact 9847696031 Sharafudheenct@nitc.ac.in Location of Instrument Offshore lab	Contact	9940084140				
Contact 9847696031 Sharafudheenct@nitc.ac.in Location of Instrument Offshore lab		kvanand@nitc.ac.in				
Sharafudheenct@nitc.ac.in Location of Instrument Offshore lab	Technical Staff Name / Email /	Sharafudheen CT				
Location of Instrument Offshore lab	Contact	9847696031				
		Sharafudheenct@nitc.ac.in				
Other Details NA	Location of Instrument	Offshore lab				
1	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: