National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HYDRAULIC TURBINE RESEARCH & DEVELOPMENT LABORATORY, HRED, IIT ROORKEE, ROORKEE, HARIDWAR, UTTARAKHAND, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6862	**Page No**	1 of 1
Validity	07/04/2022 to 06/04/2024	**Last Amended on**	13/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	FLUID FLOW- LIQUIDS	Scaled model of Hydraulic Pump & Turbine	Axial Thrust test	IEC 60193
2	FLUID FLOW- LIQUIDS	Scaled Model of Hydraulic Pump & Turbine	Cavitation Performance	IEC 60193
3	FLUID FLOW- LIQUIDS	Scaled Model of Hydraulic Pump & Turbine	Model Efficiency and output to determine weighted average efficiency and turbine output	IEC 60193
4	FLUID FLOW- LIQUIDS	Scaled Model of Hydraulic Pump & Turbine	Run Away Speed	IEC 60193
5	FLUID FLOW- LIQUIDS	Scaled model of Pump and Turbine	Index Test	IEC 60193