National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CENTRE OF EXCELLENCE- HYDRO MACHINES, BHARAT HEAVY ELECTRICALS LIMITED, PIPLANI, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7255 **Page No** 1 of 1

Validity 19/04/2021 to 18/04/2023 **Last Amended on** -

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	Model Test of Francis, kaplan, Pelton Tubular, Bulb, Pump Turbine & Pump	Pressure Pulsation	IEC 60193
2	FLUID FLOW- LIQUIDS	Model Test of Francis, Kaplan, Pelton, Tubular, Bulb, Pump Turbine & Pump	Hydraulic Efficiency (Torque)	IEC 60193
3	FLUID FLOW- LIQUIDS	Model Test of Francis, Kaplan, Pelton, Bulb, Pump Turbine & Pump	Radial Thrust	IEC 60193
4	FLUID FLOW- LIQUIDS	Model Test of Francis, Kaplan, Pelton, Tubular, Bulb, Pump Turbine & Pump	Hydraulic Efficiency (Head)	IEC 60193
5	FLUID FLOW- LIQUIDS	Model Test of Francis, Kaplan, Pelton, Tubular, Bulb, Pump Turbine & Pump	Hydraulic Efficiency (Flow)	IEC 60193
6	FLUID FLOW- LIQUIDS	Model Test of Francis, Kaplan, Pelton, Tubular, Bulb, Pump Turbine & Pump	Runaway Speed	IEC 60193
7	FLUID FLOW- LIQUIDS	Model Test of Francis, Kaplan, Pelton, Tubular, Bulb, Pump Turbine & Pump	Aeration Test	Proc. No. B-3-001
8	FLUID FLOW- LIQUIDS	Model Test of Francis, Kaplan, Pelton, Tubular, Bulb, Pump Turbine & Pump	Axial Thrust	IEC 60193
9	FLUID FLOW- LIQUIDS	Model Test of Francis, Kaplan, Pelton, Tubular, Bulb, Pump Turbine & Pump	Cavitation	IEC 60193
10	FLUID FLOW- LIQUIDS	Model Test of Francis, Kaplan, Pelton, Tubular, Bulb, Pump Turbine & Pump	Cavitation Visualization	IEC 60193
11	FLUID FLOW- LIQUIDS	Model Test of Francis, Kaplan, Pelton, Tubular, Bulb, Pump Turbine & Pump	Hydraulic Efficiency (Speed)	IEC 60193
12	FLUID FLOW- LIQUIDS	Model Test of Francis, Kaplan, Pelton, Tubular, Bulb, Pump Turbine & Pump	Torque (Guide Vane)	IEC 60193
13	FLUID FLOW- LIQUIDS	Model Test of Francis, Kaplan, Pelton, Tubular, Bulb, Pump Turbine & Pump	Torque (Kaplan Blade)	IEC 60193
14	FLUID FLOW- LIQUIDS	Model Test of Francis, Kaplan, Pelton, Tubular, Bulb, Pump Turbine & Pump	Torque (Pelton Deflector)	IEC 60193
15	FLUID FLOW- LIQUIDS	Model Test of Francis, Kaplan, Pelton, Tubular, Bulb, Pump Turbine & Pump	Velocity Distribution	Proc. No. B-3-002 Amend No. 2