

# MONTHLY BULLETIN

## TURBINE TESTING LAB

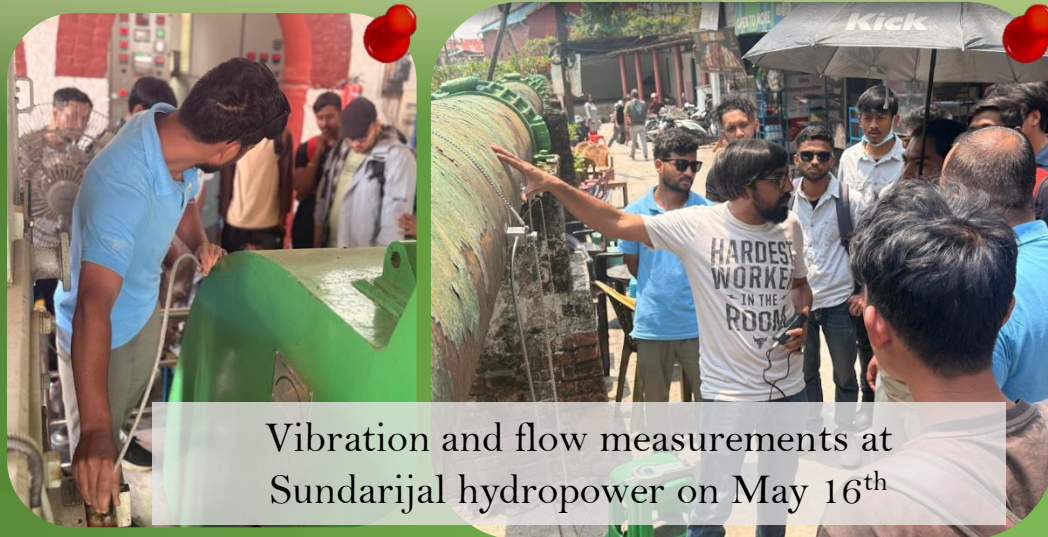
### MAY, 2025

TTL organized **field measurements** for 4<sup>th</sup> year Mechanical Engineering students (hydropower subdivision) at various places:

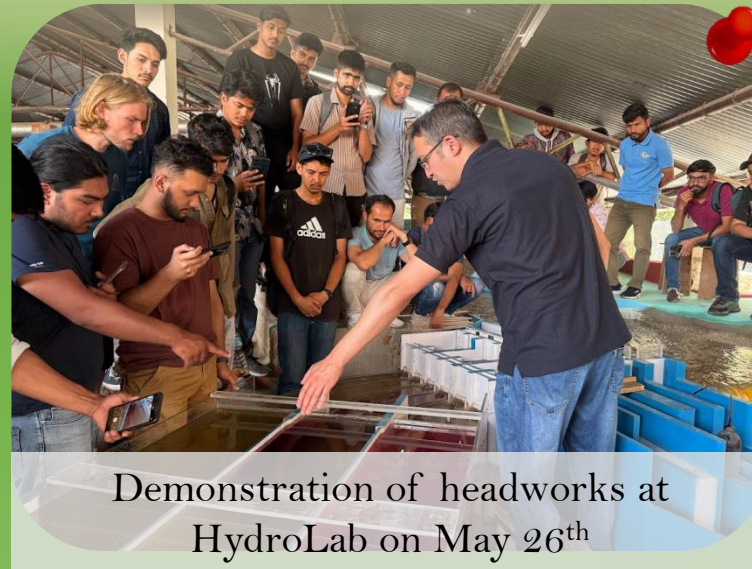
**Sundarijal hydropower station** on May 16<sup>th</sup> : Vibration measurements of the turbine and flow measurements using ultrasonic, area velocity and salt-dilution methods.

**HydroLab and Nepal Yantra Shala Energy** on May 26<sup>th</sup> : Demonstration of headwork through a physical model of Middle Kaligandaki hydropower project and manufacturing of a Pelton turbine.

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Vibration and flow measurements at Sundarijal hydropower on May 16<sup>th</sup>



Demonstration of headworks at HydroLab on May 26<sup>th</sup>

**Misalignment tests** of the nozzle and buckets of Ghar Khola hydropower on May 4-9.

The runner had misalignment issues which resulted in broken buckets previously.



Misalignment test conducted on the turbines of Ghar Khola HPP



**HRCHR meeting** held on May 8 with stakeholders of KU and subsequent meeting with WHU on May 27 regarding the future directions of the center

