

DETAILED INVESTIGATION OF VIBRATION ON THE TG FOUNDATION/ SUPPORTING STRUCTURES AT KAMENG HYDRO POWER PROJECT, ARUNACHAL PRADESH

Sponsor: NEEPCo, Arunachal Pradesh

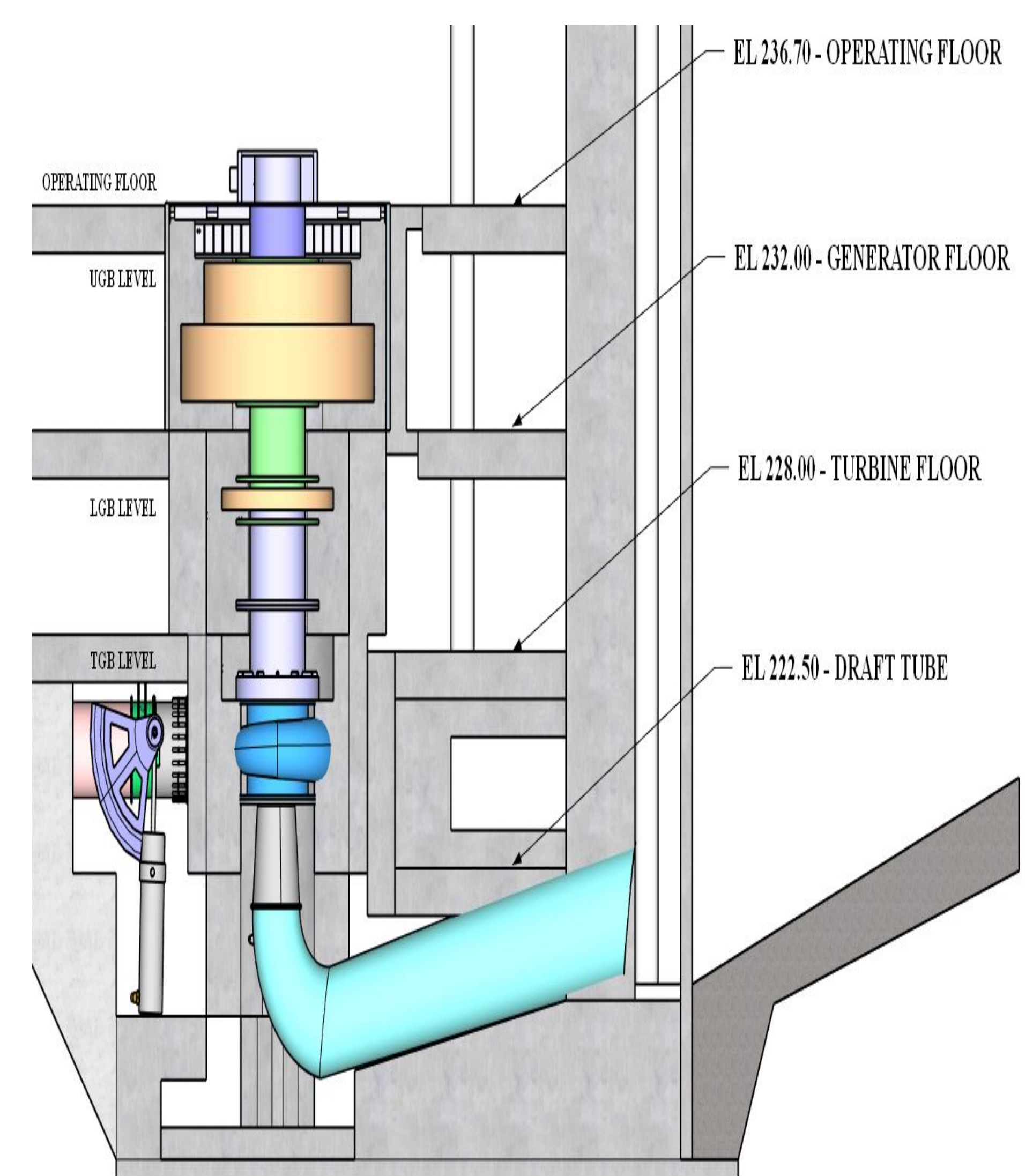
- NEEPCo located in Kameng, Arunachal Pradesh is the largest operating hydro power station in the North East Region having 600 MW capacity
- The detailed investigation was recommended to assess the structural integrity and vibration for the supporting structures of Generator and Turbine foundations
- Project was carried out for all 4 Units (4x 150 MW) of the hydropower station, in two phases. The vibration study involved the measurement and recording of the vibration signatures at identified locations on the Generator and Turbine Supporting Structures
- Suitable recommendations were provided based on the investigation including comparisons with national and international standards



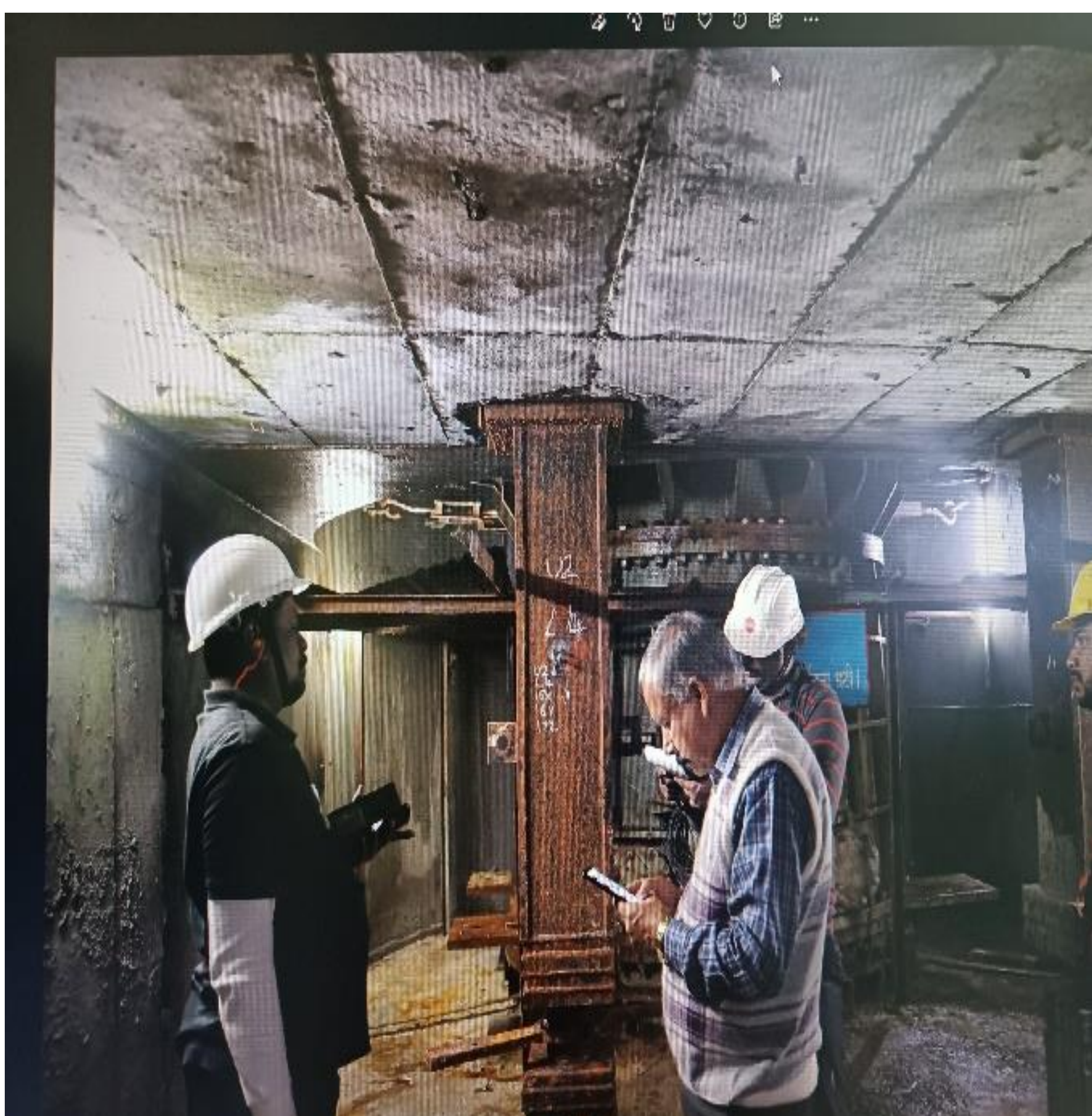
Inside the Hydropower station, At the Generator level



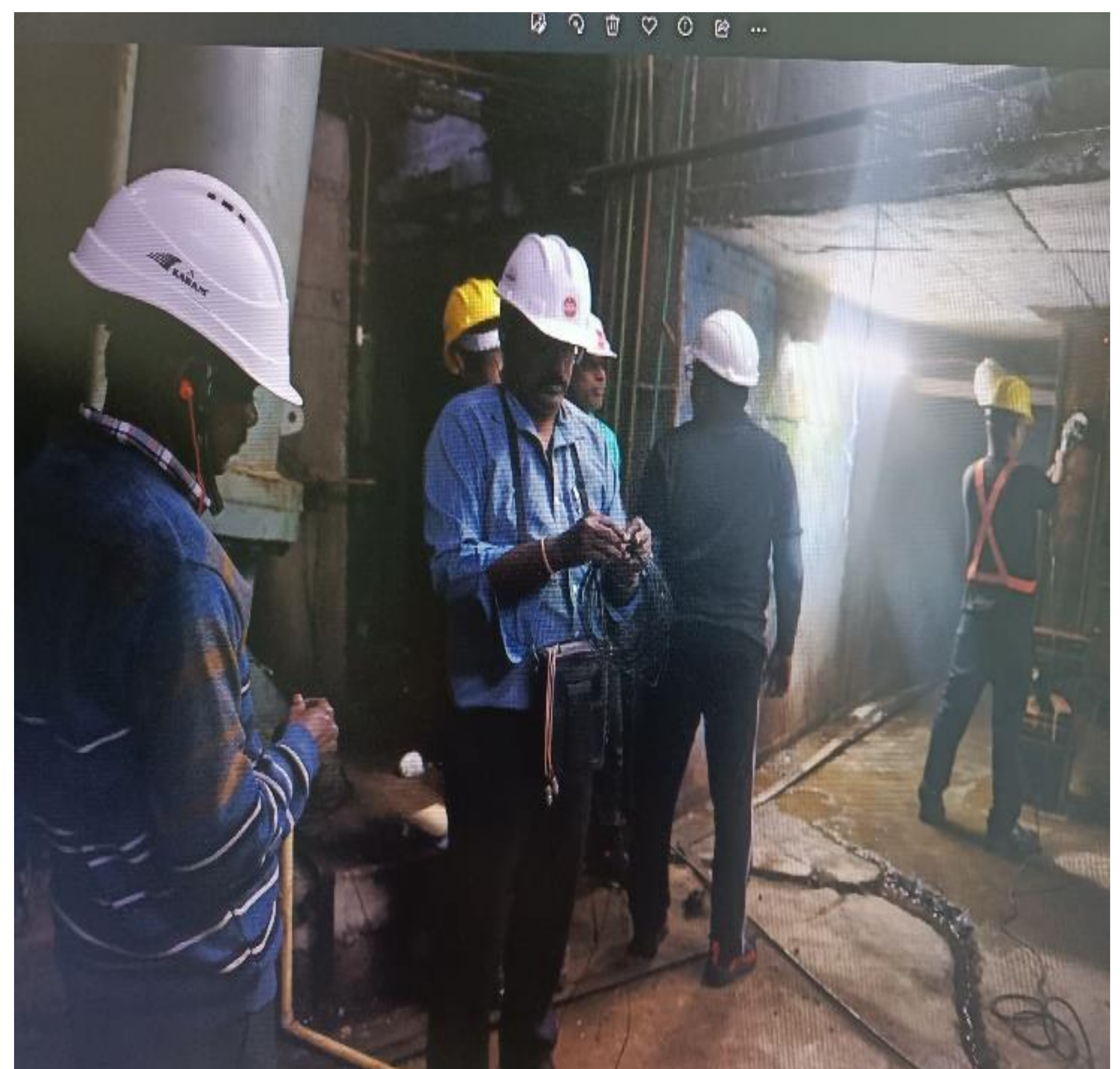
Near the Inlet Draught tube



C/s of the Vertical Axis Turbine supporting structure



Vibration Measurement in Progress



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