

Aquave - water control system

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During the planning phase, our team proposed a sensor-based automatic water motor offing system for the entire college. However, due to the interconnection of all borewells, implementing the system across all blocks was found to be technically infeasible at this stage.

Upon further assessment, it was identified that V Block already has an automated water motor control system installed. Therefore, our project implementation was limited to the feasibility study and analysis of the system operation in V Block, along with recommendations for future expansion to other blocks when independent motor connections become available.



The proposed sensor-based water motor offing system was initially planned to be implemented for the RO water plant, specifically for the raw water tank, to prevent overflow and ensure efficient water usage. However, upon inspection, it was found that a float valve system is already installed in the raw water tank, which effectively controls the water level and automatically stops the inflow once the tank is full.

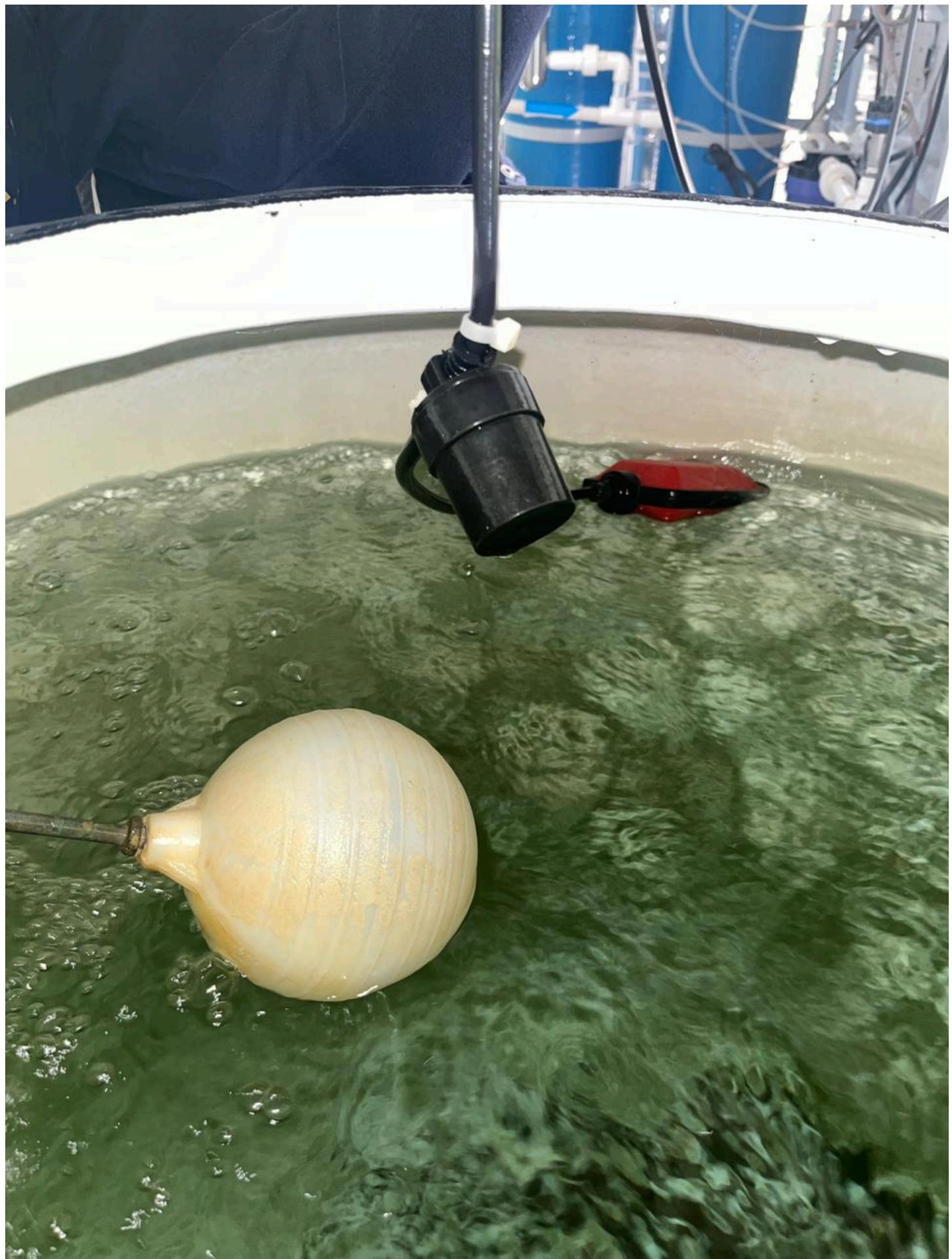
Therefore, further installation of an additional sensor-based system was deemed unnecessary, as the existing float valve mechanism already serves the intended purpose.



at J.C. Bose Block Water Plant



at Canteen Water Plant



at V Block Water Plant



at PIM Block Water Plant