

KIFLOM B TESFAMARIAM

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September 19, 2025

Dear Hiring Manager,

I am writing to express my interest in the Mechanical Engineering position with the Department of Water Resources. With a strong foundation in mechanical engineering design, analysis, and field support, I bring a proven ability to deliver high-quality engineering services that meet operational and safety requirements. My background in both computational modeling and hands-on mechanical system support positions me well to make effective contributions to your team.

In my professional and academic experience, I have

- Prepared mechanical designs and performed engineering calculations using CAD tools (SolidWorks, AutoCAD) and computational software (ANSYS, COMSOL, MATLAB) to support projects in fluid dynamics, fluid flow, thermal systems, HVAC, and fluid machinery.
- Conducted inspections, overhauls, and repairs of power and mechanical systems, ensuring compliance with codes, specifications, and operational standards.
- Developed reports, technical documentation, and presentations to communicate findings, design criteria, and project progress clearly and effectively.

Beyond my technical expertise, I take pride in my ability to work cooperatively across multidisciplinary teams, analyze complex situations accurately, and implement effective corrective actions. I am also flexible and willing to travel to provide on-site support and inspections.

The mission of the Department of Water Resources to provide safe, reliable, and sustainable operations resonates strongly with my professional values. I am eager to contribute to the success of the State Water Project and other critical initiatives by applying my skills in design, inspection, maintenance, and project execution.

I would welcome the opportunity to discuss how my background and abilities align with your needs. Thank you for considering my application

Sincerely,

Kiflom B Tesfamariam