

ROSHAN POKHRE, P.E.
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(505) 609-7085

KEY QUALIFICATIONS

- Skilled in technical research and data analysis and experienced preparing recommendations, reports, and testimonies.
- Excellent in working with Microsoft office tools.
- Ability to successfully prioritize and work with co-workers on projects and day-to-day operations.
- Possess critical thinking skills that are vital in solving problems and making judgements.

PROFESSIONAL EXPERIENCE

Project Engineer – Texas Water Development Board

Feb 2023- Present

- Review applications for financial assistance and advise applicants on Board requirements per the different funding programs and make recommendations on eligibility for funding and project approval.
- Perform technical analysis and engineering evaluation of engineering reports, facility plans, construction plans, specifications, construction schedules, contracts, change orders to ensure Board funded projects comply with rules, design criteria, and acceptable engineering practices.
- Monitor project schedules and budgets. Perform associated database entry.
- Conduct onsite observation to monitor the progress of the construction of water and wastewater facilities for compliance with Board rules and specifications.
- Serve as a contract manager and monitor contract schedules, requirements, terms, and conditions; review eligibility and approve payment requests.
- Coordinates with various federal and state agencies like TCEQ and EPA regarding projects and programs.

Engineer – Public Utility Commission of Texas

Dec 2018- Jan 2023

- Prepared technical reports, testimonies, and memoranda supporting the staff conclusions regarding the merits of various water and sewer applications seeking relief from the commission.
- Reviewed water and sewer utility rates, Certificate and Convenience and Necessity, Sale Transfer Merger, and Streamlined Expedited Release applications and petitions pursuant to the procedural schedule set forth by an ALJ and provided recommendations that are in public interest.
- Worked on rate design and estimate pertaining to water and sewerage. Provided recommendation on just and reasonable rates to be charged to the public.
- Conducted water and sewer utility depreciation studies. Provided recommendations on annual depreciation, accumulated depreciation, and net plant to calculate rate base.
- Undertook operation and maintenance (O&M) studies. Provided recommendations on the expenses related to engineering services, repairs, capital improvement plans, and maintenance.
- Participated in utility rate settlement negotiations.
- Assisted the commission in policy-making and form-developing projects. Provided technical assistance and clarified the Commission rules to the public as necessary.

Teaching Assistant/Engineering Grader – University of New Mexico

Aug 2016-May 2018

- Worked as a Teaching Assistant and conducted classes on different courses like Environmental & Water Resource Engineering, Timber Design, Mechanics of Materials, and Structure Analysis.
- Assisted professors in examining students' assignments, exams, quizzes, and grades.

- Assessed earthquake affected houses & verified if they were safe to live.
- Surveyed approximately 3,000 earthquake affected houses during the 2015 earthquake of Nepal. Assembled and analyzed the data and determined the level of damage of the houses. Provided recommendations on whether the houses required either a repair, or a retrofit, or demolishing.

ACADEMIC BACKGROUND

Master of Engineering in Civil Engineering GPA: 3.84 May 2018
University of New Mexico, Albuquerque, NM

Bachelor of Science in Civil Engineering GPA: 3.66 Nov 2014
Tribhuvan University, Kathmandu, Nepal

Relevant Course Work

Water Supply Engineering, Water Chemistry, GIS in Water Resource Engineering, Open Channel Hydraulics, Hydrology, Surface Water Quality Modeling, Hydropower Engineering, Physical-Chemical Water Treatment, Biological Wastewater Treatment, Data Driven Decision Making

LICENSURE

P.E. State of Texas, #144733 – 2022

Class A Civil Engineer, Nepal #10772 – 2015