

Brief Resume

Dheeraj Damachya

Scientist B/Assistant Director
Bureau of Indian Standards



Undergraduate Project

Coefficient of Discharge and Profile of Water Flow over Piano Key Weirs

- The study dealt with various methods of measuring discharge with respect to given head over Piano Key Weirs. A comparative analysis was done between different analytical models and it was found that there was still scope for improvement in these models.
- The flow over Piano Key Weir can be treated as Spatially Varied Flow (SVF) with inlet key as svf with decreasing discharge and outlet key as svf with increasing discharge. With these assumptions a differential equation was generated and solution of the equation was proposed by analytical method.

Professional Experience

Working as Scientist 'B' in Civil Engineering Department in Bureau of Indian Standards

Present major Assignments

Member Secretary of

- Functional Requirements in Buildings Sectional Committee, CED 12
- Public Health Engineering Sectional Committee, CED 24
- Prefabricated Construction Sectional Committee, CED 32
- Planning and Housing Sectional Committee, CED 51