

# FISH PROTECTION

*New method to screen fish and hydrophytes*

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**This is a theoretical idea to screen fish and hydrophytes during intake for hydroelectric dams. This particular idea modifies the design of the dam resulting in improved safety of the fish.**

**The design proposed here consists of a whirlpool generating masonry funnel structure where the fish and hydrophytes are separated from the water flowing through the penstock and eventually reaching the turbine.**

**The proposed idea for screening fish accomplishes the objective successfully and also redirects the fish such that there is no sudden change in elevation which is paramount for fish safety. The positioning of the whirlpool generating masonry funnel for fish screening in the design process of a hydroelectric dam can be adapted.**