

## ABSTRACT

Now a day, there is the scarcity of using fresh water for concrete. As a Civil Engineer it is our responsibility to enhance the fresh water by replacing high saline water by adding soda ash to the saline water, which is used to remove the salt from the saline water. Using of saline water in the concrete it will increase the compression strength, split tensile strength and flexural strength. Soda ash is an inorganic compound. This compound is also known as washing soda and soda crystals. Soda ash is used in our everyday life for making glass, dry detergent powders, etc, and also used as a food additive. So we planned to use the soda ash in the concrete under high saline water. It will increase the strength and durability of the concrete.