**ANALYSIS AND IMPROVEMENT OF WATER QUALITY OF AGYARA DAM AT MATSYA INDUSTRIAL AREA, ALWAR (RAJASTHAN), INDIA**

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**ABSTRACT**

This study presents the quality of water samples of Agyara Dam at Matsya Industrial Area, Alwar. Agyara dam is very polluted due to Industrial effluents. Six sampling points were selected for the study. The parameters studied were pH, total hardness, chloride, sulphate, TDS, COD, total alkalinity, iron. nickel, manganese, chromium and calcium. The results are very alarming. Adsorption of pollutants was carried out through seeds which is a low cost and effective water purification system. The seeds used in the study are those which are otherwise hazardous to the society. The process involves hydration of seeds followed by non-reversible chemisorptions. Very encouraging results are obtained.

**Key words**: Agyara Dam, Physio-chemical analysis, COD, Fe, Ni**.**