**Response of Pile Group against Cyclic Lateral Loads**

**ABSTRACT:**

The destructive earthquakes, environment prevalent in ocean demands the supporting structures here piles to be designed against cyclic latereal loading by wave action, wind action and seismic action due to this kind of loadings especially cyclic lateral loadings causes the foundations to reach its most critical condition by inducing large deformations, decrease in strength, bearing capacity and stiffness of soil. The effect of cyclic lateral loads on group piles is understood by carrying experiment using model test set-up and the cyclic lateral loading effect is established using hydraulic rams this paper presents the observations and conclusions drawn from them.

**KEYWORDS:** Pile group, cyclic lateral load, Soil, pile test, response.