WORKABILITY OF SELF COMPACTING CONCRETE

Modern railway infrastructure demands a high level of performance in terms of settlements and stability of the railway track. In areas where loose or soft cohesive deposits are found, ground improvement is often required to ensure the required level of performance.

This paper presents some of the ground improvement techniques that are available from Keller Group companies and being used worldwide for railway infrastructure projects. The techniques presented are Vibro Compaction, Vibro Replacement (Stone Columns), Grouted Stone Columns (GSC), Vibro Concrete Columns (VCC) and Deep Soil Mixing (Cement Columns). The purpose of this paper is to provide a general introduction of the techniques to Owners, Designers and Project Managers and to illustrate their application by describing case histories from Europe, USA and Malaysia.