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PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : EXPERIMENTAL INVESTIGATION OF HRP/INDUSTRIAL WASTE COMPOSITION AS AN AUXILIARY ADDITIVE TO CEMENT AND LIME IN SOIL STABILIZATION

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(57) Abstract :  
 Synthetic stabilization includes the utilization of chemical molecules for starting responses inside the soil for change of its geotechnical properties. Stabilization of Cement and lime have been the most widely recognized stabilization techniques took on for treating soil. Cement stabilization brings about great compressive qualities and is liked for cohesion less to reasonably durable soil however loses viability when the soil is exceptionally plastic. Lime stabilization is the most favored technique for plastic soil's; nonetheless, it demonstrates to be insufficient in sulfate rich soil's and performs ineffectively under outrageous conditions. With such disadvantages, heaps of investigates have been embraced to resolve the issues confronted with every stabilization technique, specifically, the utilization of strong squanders for soil stabilization. Strong waste reuse has acquired high energy for accomplishing feasible waste administration lately. Research has shown that the utilization of strong squanders as added Chemicals with and trade for ordinary stabilizers has brought about better outcomes than the presentation of either separately. This invention delivers a significant delivery on lime/Cement stabilization with HRP as added substances (Additive) and assists with framing a sound stage for additional examination on HRP as added substances to customary stabilizers.