



PROJECT SUMMARY

Ref No.: MRIC/PCS-2203	Title: Construction and Demolition Waste (C&D Waste) recycled aggregates as an alternative to road base and engineering fill materials
Local Company: Gamma Materials Ltd	
Collaborating Institution: University of Mauritius	
Project Leader	
Dr. Mahen Conhyea	Gamma Materials Ltd
Research Collaborators	
Name	Organisation
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TECHNICAL ABSTRACT	
<p>Recycled aggregates made from C&D wastes should offer to the community, both as an opportunity to reduce the impact on the environment and a new cheap material usable for civil works and road works.</p> <p>The expected results of the project will be a comprehensive campaign under the aegis of the University of Mauritius for testing of recycled aggregates. This innovative material will be produced at Gamma Materials Ltd facilities with sorting samples of C&D waste collected from the new La Chaumière Civic Amenity Centre and from other building and public infrastructure works like Metro Express.</p> <p>The trial will verify their technical performances, whether they can meet the specifications for use as a base course at laboratory level and at a full-scale test carried in collaboration with the Road Development Authority.</p> <p>The study will also show the recycled aggregates are inert materials and are not hazardous to health and environment.</p> <p>Recycled aggregates would be an alternative material to the usual natural basalt-crusher-run. The commercial application of this new product will be a good quality base course required for the building and infrastructure public works.</p>	



The project will be the basis of the sales pitch for the promotion to the main influencers and stakeholders, like major contractors, RDA, MSB, Consulting Engineers etc...

Key Words: Recycled aggregates, C&D waste, base course, inert materials, crusher run