



PROJECT SUMMARY

Ref No.: MRIC-SCA-P04	Title: Characterization of Construction & Demolition Waste (C&D waste) for Reuse, Reduce & Recycle (3R's)
Local Company: Gamma Materials Ltd	
Collaborating Institution: University of Mauritius (UoM)	
Project Leader	
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TECHNICAL ABSTRACT	
<p>Since independence Mauritius has gone through many phases in the construction industry from small housing units to major projects like smart cities, port, airport, flyovers, light rail and motorway. After 50 years we have reached the phase of demolition & deconstruction which generates various types of wastes such as concrete, and building components (wood, metals, glass, plastics). This is particularly visible now for Metro Express Project and Road Decongestion Program which are built in place of previous obsolete infrastructures. Today Mauritian stakeholders like Architects, Government bodies, Project Managers, Bankers and end users prescribe the use of 3 R's: Reduce, Reuse, Recycle. All around the island, C&D waste causes colossal problems of an eyesore, pollution, and illegal dumping which aggravates the phenomena of flood. Its quantum, management, and recycling efforts need to be addressed as it does not exist any conceptual framework, facility for collecting & sorting the C&D waste. This study will thus focus on Characterization of Construction & Demolition Wastes at Gamma Materials Premises, build up a mapping of illegal dumping throughout the island and quantify the C&D wastes and to propose a properly conceived guideline for C&D waste management to all stakeholders to enable recycled products made from C&D waste.</p>	
Key Words: Construction & Demolition Waste; Characterization; Recycling; Dumping, Circular Economy	