

PROJECT SUMMARY

Title of Project: Basaltic Filler for partial cement replacement	
Local Company: Gamma Materials Ltd	
Main Collaborating Institution: Université des Mascareignes	
Project Leader: Mr Mahen Conhyea	
Research Collaborator(s)	
Name	Organisation
Dr Rajesh Goodary	Université des Mascareignes
Technical Abstract	
<p>Today Mauritius imports 700 Ktons of cement from Asia (70m\$) and Gamma is the most important cement consumer consequently the leader in the concrete business. Gamma has the capability to innovate, carry out research, develop and commercialise 2 new types of cements; subject the latter is in accordance with BS EN standards and local applicable standards. Dry and grind Basaltic Filler < 63µm is a locally available material which can be produced from Blue Basalt rocks. Our recent study on Basaltic Filler as partial replacement in cement has given Gamma sufficient keys and constructive possible solutions from a technical point of view as well as from an economical point of view to investigate further in this potential field. The use of Basaltic Filler blend in normal cement has a national interest; it will not only reduce the importation of cement by 15%, it will equally have a direct commercial impact by reducing the cost of concrete and mortars. Our Basaltic Filler project will be carried out by Gamma Technical & Product Development Team in close collaboration with Université des Mascareignes, MSB, MOPI and experts in the field.</p>	
Key Words: basaltic filler, cement replacement	