

**PROJECT SUMMARY**

Ref No.: <b>MRC-CRIG-A03</b>	<b>PROPOSAL TITLE:</b> Basaltic Filler for partial cement replacement
<b>Priority Area:</b> Manufacturing	
<b>NAME OF LOCAL COMPANY:</b> GAMMA MATERIALS LTD	
Company Director: <b>Jean Christophe DEUX</b>	
<b>Collaborating Institution:</b> Université Des Mascareignes	
<b>Head of Collaborating Institution:</b> Dr. Francoise Driver – Director-General	
<b>PROJECT LEADER</b>	
Name: <b>Mr. Mahendranath CONHYEA</b>	Company: <b>Gamma Material Ltd</b>
<b>RESEARCH COLLABORATOR(S)</b>	
<b>Name</b>	<b>Organisation</b>
1. Dr. Rajesh GOODARY	Université Des Mascareignes
2. Mr. Bruno CARTA	ECO R-R Solvant Ltd
3. Mr. Chandansingh CHUTOORI	VYYAASS CONSULTING ENGINEER LTD
<b>PROJECT COLLABORATOR(S)</b>	
<b>Name</b>	<b>Organisation</b>
1. Dr. Francoise Driver	Université Des Mascareignes
<b>TECHNICAL ABSTRACT</b>	
<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.</p> <p><b>Dry and grind Basaltic Filler</b> &lt; 63<math>\mu</math>m is a locally available material which can be produced from Blue Basalt rocks.</p> <p>Our recent study on <b>Basaltic Filler</b> 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.</p> <p>The use of <b>Basaltic Filler</b> 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.</p> <p>Our <b>Basaltic Filler</b> project will be carried out by Gamma Technical &amp; Product Development Team in close collaboration with Université des Mascareignes, MSB, MOPI and experts in the field</p>	
<b>Key Words:</b> Basaltic Filler for partial cement replacement	