



Institute for Solid Waste Research & Ecological Balance (INSWAREB)

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Press Release on Patent to Nano Concrete (NAC)




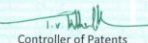
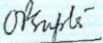
The revolutionary product of Nano Concrete or No Aggregate Concrete (NAC) developed by Dr N Bhanumathidas and Kalidas is accepted for its innovation and a patent (No. 279460) is accorded on 23rd of this month by the Patent Office, Chennai, after almost seven years of rigorous scrutiny and technical iterations. The patent specification was filed on 29th March 2010.

Meanwhile the inventors have put this product for field demonstrations, by casting a 10.5 ft dia dome (2010) on FaL-G Mansion, Visakhapatnam and over 1200 s.ft. of RCC slab (2013) to Uyyala Kameswari Temple at Madhupada Village, near S Kota.

Notwithstanding this field success, the inventors have signed for collaborative research with GVP College of Engineering, Nirma University, Ahmendabad; Manipal University, Karnataka; and Dr Mahalingam College of Engg, Pollachi, Tamilnadu; encouraging research on structural application of this innovative product with due engineering data.

The inventors foresee great future for this wonder product in precast building materials, more so for ornamental elements for its ability to take detailing of mould as sharply as that of Plaster of Paris. Based on microstructure properties of this product with particular reference to permeability, they predict 1000-years of service life to this concrete.

In the background of rapid depletion of natural resources causing scarcity to sand and stone, this invention would render phenomenal service to the mankind in the direction of Sustainable Development, as claimed by inventors. These inventors do have already a patent to their credit on FaL-G which has revolutionized the country's brick production replacing clay brick with fly ash bricks.

क्रमांक Sl. No. : 044 024431		
भारत सरकार GOVERNMENT OF INDIA पेटेंट कार्यालय THE PATENT OFFICE पेटेंट प्रमाणपत्र Patent Certificate (Rule 74 of Patents Rules)		
		
Patent Number	:	279460
Application Number	:	857/CHE/2010
Date of Filing	:	29/03/2010
Patentee	:	1.DR. NATERI BHANUMATHIDAS 2. NATERI KALIDAS
<p>It is hereby certified that a patent has been granted to the patentee for an invention entitled A REVOLUTIONARY NO-AGGREGATE CONCRETE MIX AND PROCESS THEREOF as disclosed in the above mentioned application for the term of 20 years from the 29 day of MARCH 2010 in accordance with the provisions of the Patents Act, 1970.</p>		
 Controller of Patents	 Controller General of Patents, Designs & Trademarks	
Date of Grant:23/01/2017		
<small>Note: The fees for renewal of this patent, if it is to be maintained will fall/has fallen due on 29 day of MARCH 2012 and on the same day in every year thereafter.</small>		