

New Technology for Renovating an Old Buddhist Structure: The Renovation of the Stupa at Anuradhapura, Sri Lanka

Dr. Amartya Kumar Bhattacharya

BCE (Hons.) (Jadavpur), MTech (Civil) (IIT Kharagpur), PhD (Civil) (IIT Kharagpur),
Cert.MTERM (AIT Bangkok), CEng(I), FIE, FACCE(I), FISH, FIWRS, FIPHE, FIAH, FAE, MIGS,
MIGS – Kolkata Chapter, MIGS – Chennai Chapter, MISTE, MAHI, MISCA, MIAHS, MISTAM,
MNSFMFP, MIIBE, MICI, MIEES, MCITP, MISRS, MISRMTT, MAGGS, MCSI, MIAENG, MMBSI,
MBMSM

Chairman and Managing Director,
MultiSpectra Consultants,
23, Biplabi Ambika Chakraborty Sarani,
Kolkata – 700029, West Bengal, INDIA.
E-mail: dramartyakumar@gmail.com

The Sinhalese converted to Buddhism as a result of Indian Emperor Ashoka's mission there. As a result, Buddhism in Sri Lanka is very old.

There is a very old Stupa at Anuradhapura built before the birth of Jesus Christ which has stood for a very long time indeed. This Stupa was being renovated some time back when it suddenly failed.

A modern structural analysis was then done by Civil Engineers to locate the high-stress zones. These zones were identified and a new renovation plan for the Stupa was planned.

That plan was put into action and the Stupa was renovated accordingly. This renovated Stupa at Anuradhapura is standing in full glory.

© MultiSpectra Consultants, 2019.