

ANNEXURE-E

CANDIDATE'S DECLARATION

I, **Ms. Nandini Jaiswal**, certify that the work embodied in this Ph.D. thesis is my own bonafide work carried out by me under the joint supervision of **Prof. Om Parkash** (Supervisor) and co-supervision of **Prof. Devendra Kumar** (Department of Ceramic Engineering, IIT(BHU), Varanasi, India) & **Dr. Shail Upadhyay** (Department of Physics, IIT(BHU), Varanasi, India) **for a period of about 3 years and 11 months from July, 2011 to May, 2015 at Department of Ceramic Engineering, Indian Institute of Technology (Banaras Hindu University), Varanasi.** The matter embodied in this Ph.D. thesis has not been submitted for the award of any other degree/diploma.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and the body of the thesis. I further certify that I have not will fully lifted up some other's work, para, text, data, results, etc. reported in the journals, books, magazines, reports, dissertations, theses, etc., or available at web-sites and included them in this Ph.D. thesis and cited as my own work.

Date:

Place: IIT (BHU), Varanasi
(Nandini Jaiswal)

Certificate from the Supervisor/Co-Supervisors and Head of the Department

This is to certify that the above statement made by the candidate is correct to the best of our knowledge.

(Signature of Head of the Department with Seal)

Supervisor	Co-Supervisor	Co-Supervisor
Prof. Om Parkash	Prof. Devendra Kumar	Dr. Shail Upadhyay
Department of Ceramic Engineering	Department of Ceramic Engineering	Department of Physics