ANNEXURE-E

CANDIDATE'S DECLARATION

I, Manvendra Singh Chauhan, certify that the work embodied in this Ph. D. thesis

is my own bonafide work carried out by me under the supervision of *Prof. Prabhat* 

Kumar Singh Dikshit and co-supervision of Dr. Shyam Bihari Dwivedi, for a

period of four year and two months from July, 2011 session to August, 2015 in the

Department of Civil 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 willfully lifted up some other's work,

para, text, data, results, etc. reported in the journals, books, magazines, reports,

dissertations, thesis, 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

(Manvendra Singh Chauhan)