

## **DECLARATION BY THE CANDIDATE**

The thesis entitled “**A numerical parametric study on vibration isolation using open and in-filled trenches**” is being submitted to the School of Engineering, Tezpur University in partial fulfillment for the award of the degree of Doctor of Philosophy in the Department of Civil Engineering is a record of bonafide research work accomplished by me under the supervision of Dr. A. K. Dutta (Supervisor) and Dr. U. K. Das (Co-Supervisor).

All helps received from various sources have been duly acknowledged.

No part of this thesis has been submitted elsewhere for award of any other degree.

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### **CERTIFICATE OF THE SUPERVISOR**

This is to certify that the thesis entitled “**A numerical parametric study on vibration isolation using open and in-filled trenches**” submitted to the School of Engineering, Tezpur University in partial fulfillment for the award of the degree of Doctor of Philosophy in the Department of Civil Engineering is a record of research work carried out by **Mr. Ankurjyoti Saikia** under my supervision and guidance.

All helps received by him from various sources have been duly acknowledged.  
No part of the thesis has been submitted elsewhere for award of any other degree.

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