Dedicated to my loving

Maa and Baba

DECLARATION BY THE CANDIDATE

I hereby declare that the thesis entitled **"Study on aerosol, meteorology, boundary layer dynamism over Brahmaputra Valley using integration of surface, satellite and reanalysis data"** is submitted to the Department of Environmental Science, School of Sciences, Tezpur University in partial fulfillment for the award of the degree of Doctor of Philosophy in Environmental Sciences.

I declare that this work has not been previously considered for the award of any degree, diploma, or any other similar title from any other University or Institute.

Bharati Paul

Place: Tezpur
Date:

(Bharati Paul)
Department of Environmental Science
School of Sciences
Tezpur University

तेजपुरविश्वविद्यालय/ TEZPUR UNIVERSITY
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(Awardee of Visitor's Best University Award, 2016 and 5th among India's Top 100 Universities, MHRD-NIRF Ranking, 2016)

CERTIFICATE OF THE SUPERVISOR

This is to certify that the thesis entitled **"Study on aerosol, meteorology, boundary layer dynamism over Brahmaputra Valley using integration of surface, satellite and reanalysis data"** was submitted to the School of Sciences Tezpur University in part fulfillment for the award of the degree of **Doctor of Philosophy in Environmental Science** is a record of research work carried out by **Ms. Bharati Paul** under my supervision and guidance.

All help received by her from various sources has been duly acknowledged.

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

(Dr. Apurba Kumar Das)
Designation: Professor
Department: Environmental Science
School: Sciences

Date:

Place:

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