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CERTIFICATE OF THE SUPERVISOR

This is to certify that the thesis entitled “**Interaction of high-intensity short-pulse lasers with plasmas**” submitted to the School of Sciences of Tezpur University in requirement of partial fulfillment for the award of the degree of Doctor of Philosophy in Physics is a record of research work carried out by **Mr. Deep Kumar Kuri** under my supervision and guidance.

All help received from various sources have been duly acknowledged. No part of this thesis has been submitted elsewhere for award of any other degree.

Place: Tezpur

Date:

(**Nilakshi Das**)

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CERTIFICATE OF THE EXTERNAL EXAMINER AND ODEC

This is to certify that the thesis entitled “**Interaction of high-intensity short-pulse lasers with plasmas**”, being submitted by **Mr. Deep Kumar Kuri** to the **Department of Physics** under the School of Sciences of Tezpur University in requirement of partial fulfillment for the award of the degree of **Doctor of Philosophy** in Physics has been examined by us on and found satisfactory.

The committee recommends for the award of the degree of **Doctor of Philosophy**.

Supervisor

External Examiner

(Nilakshi Das)

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Date:

Date: