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It is certified that the work contained in the thesis titled “*Studies on Crystal Structure, Phase Transitions and Dielectric Properties of (1-x)Bi(Mg_{3/4}W_{1/4})O_{3-x}PbTiO₃ Ceramics*” by “*Narendra Kumar Verma* has been carried out under my supervision and that this work has not been submitted elsewhere for a degree.

It is further certified that the student has fulfilled all the requirements of Comprehensive, Candidacy and SOTA for the award of Ph.D. degree.

Date.....
Place: Varanasi

Signature of the Supervisor
Dr. Akhilesh Kumar Singh
(Associate Professor)
School of Materials Science
& Technology,
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DECLARATION OF THE CANDIDATE

I, *Narendra Kumar Verma*, certify that the work embodied in this Ph.D. thesis is my own bona fide work and carried out by me under the supervision of *Dr. Akhilesh Kumar Singh* from *July 2013 to June 2019*, at the *School of Materials Science and Technology*, Indian Institute of Technology, Banaras Hindu University. The matter embodied in this Ph.D. thesis has not been submitted for the award of any other degree/diploma.

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Signature of the Student

(Narendra Kumar Verma)

CERTIFICATE FROM THE SUPERVISOR

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

Supervisor
Dr. Akhilesh Kumar Singh
School of Materials Science & Technology,
IIT (BHU), Varanasi.

Signature of Head of Department/Coordinator of School

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Title of the Thesis: “Studies on Crystal Structure, Phase Transitions and Dielectric Properties of $(1-x)\text{Bi}(\text{Mg}_{3/4}\text{W}_{1/4})\text{O}_3-x\text{PbTiO}_3$ Ceramics”

Name of the Student: Narendra Kumar Verma

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