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I, **Kamlesh Kumar Pandey**, certify that the work embodied in this Ph.D. thesis titled “**Hydromechanical Effects on Stability of Concrete Gravity Dams with Cracks under Reservoir Level Variations**” is my own bonafide work carried out by me under the supervision of **Prof. Veerendra Kumar**. The whole responsibility of my research work is mine and I am always ready for making improvement at any time if it requires.

Date: 30.06.2015

Place: IIT(BHU), Varanasi

(KAMLESH KUMAR PANDEY)



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ANNEXURE-F

COURSE/COMPREHENSIVE EXAMINATION/PRE-SUBMISSION SEMINAR COMPLETION CERTIFICATE

This is to certify that **Sri Kamlesh Kumar Pandey**, a bonafide research scholar of Department of Civil Engineering, Indian Institute of Technology (Banaras Hindu University), has satisfactorily completed the course work/comprehensive examination/ pre-submission seminar requirement which are a part of his Ph.D. programme.

Date:

Place: IIT(BHU), Varanasi

Signature of Head Department



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PRE-Ph.D. SEMINAR COMPLETION CERTIFICATE

This is to certify that Mr. K.K. Pandey, Enrolment No. 330353 (Roll No. 10603EN001), a bonafide research scholar of the Department of Civil Engineering, IIT (BHU) presented his pre-submission seminar on the topic **“Hydromechanical Effects on Stability of Concrete Gravity Dams with Cracks under Reservoir Level Variations”** before the RPC members and DPGC members of the Department of Civil Engineering on 4th February, 2015 at 4.30 p.m. in the Seminar Room of Civil Engineering Department. He has successfully completed the presentation, which is a part of his Ph.D. program. His presentation was satisfactory and his case is recommended for the submission of his Ph.D. thesis.

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Signature of Head Department

Place: IIT(BHU), Varanasi

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Candidate's Name: **Kamlesh Kumar Pandey**

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