**CERTIFICATE** 

This is to certify that the content of the thesis entitled "Unconventional Shale Gas

Resources of Barren Measures Formation of Raniganj Field, Damodar Basin, India"

comprise the original work carried out by Ms. Annapurna Boruah; and the present

work has not been submitted for any other degree or diploma to any institute or

university.

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Prof. S. Ganapathi

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