

# DEPARTMENT OF ENVIRONMENTAL SCIENCE

GAUHATI UNIVERSITY



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Date.....

This is to certify that, Sri Ratneswar Sarma has completed his thesis entitled " A Study of the Velocity Distribution and Attenuation of Short Period P waves in the Earth's Lower Mantle" for the Ph.D. degree under my supervision and guidance. Sri Ratneswar Sarma fulfils all the requirements prescribed under the Ph.D. regulations of the Gauhati University, and his thesis is the result of his own investigations. To the best of my knowledge, the thesis as a whole or part thereof, has not been submitted to any other University for any research degree.

Handwritten signature of S. K. Sarmah in cursive script.

10.9.88

( S. K. Sarmah )

Professor & Head,

Dept.of Environmental Sc,  
Gauhati University.