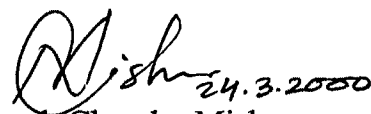


CERTIFICATE

This is to certify that the thesis entitled “**TRANSPORT STUDIES IN COMPOSITE AND DOPED SYSTEMS OF CUPRATE SUPERCONDUCTORS**“ which is being submitted by *Dhrubananda Behera* in partial fulfillment of the degree of Doctor of Philosophy in the faculty of Science (Physics) of Utkal University, Bhubaneswar is a record of his own research work. He has carried out his research work under my guidance at this Department. The work presented in this thesis has not been submitted to the Utkal University or elsewhere for Ph.D. or any other degree.



Dr. Naresh Chandra Mishra
Department of Physics
Utkal University
Bhubaneswar