CERTIFICATE

This is to certify that the dissertation entitled "Enhancement of the performance of evacuated tunes by the influence of parabolic trough" that is being submitted by Musthak Ahamed R (18PHP032) during the period 2019 - 2020 in partial fulfillment of the award of Master of Science in Physics to the KARPAGAM ACADEMY OF HIGHER EDUCATION is a record of bonafide work carried out by him under my supervision and guidance. The contents embodied in the project report have not been submitted for the award of any other degree or diploma in this or any other university.

Signature of Supervisor

Dr. B. Janarthanan Associate Professor Head of the Department

Dr. E. Siva Senthil Associate Professor

Head of the Department
Department of Physics
Faculty of Arts, Science and Humanities
Karnagam Academy of Higher Education
Colimbators — 641 921, Tamil Nadu, India.