

**CERTIFICATE FROM THE SUPERVISOR**

This is to certify that the thesis entitled “NON-CONVENTIONAL APPROACHES FOR SOLVING THE LOAD FLOW PROBLEM” submitted by **PARIML ACHARJEE** who got his name registered on **30.08.2004** for the award of Ph.D. (ENGG.) degree of Jadavpur University, is absolutely based upon his own work under the supervision of **Dr. SWAPAN KUMAR GOSWAMI**, Professor, Electrical Engineering Department, J.U. and that neither this thesis nor any part of it has been submitted for any degree/diploma or any academic award anywhere before.

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(Signature of Supervisor  
& date with official seal)