

Name of the Candidate : Mr.Subir Majumdar  
Degree Registered : Ph D  
Department : EE  
Title of the Thesis : "Techno Economic Analysis of Electricity Networks with Renewable Energy Sources and Storage Devices  
Faculty : Dr. S. A. KHARPADE and DR. S. V. KULKARNI (IITB)  
DR . A.P.AGALGAONKAR, S. BERERA, P. CIUFO (UOW)

## Thesis Evaluation Report: General

### SECTION A: (REFEREES OVERALL RECOMMENDATION)

[A] [ ] The thesis is satisfactory and recommended for the award of the Ph.D. Degree

[B] [ ✓ ] The thesis is recommended for award of Ph.D. Degree subject to answering the queries specifically mentioned in the report at the time of Viva-Voce by the candidate

[C] [ ] The thesis is recommended for award of Ph.D. Degree subject to revision of thesis as per suggestion made in the report to the satisfaction of guide and Viva-voce Board.

[D] [ ] The candidate is required to revise the thesis as per suggestions made and the revised thesis be sent to me for re-evaluation along with statement of corrections incorporated in the thesis.

[E] The thesis is not acceptable for award of Ph.D. Degree due to reasons mentioned below (please use separate sheet for details):

**THE THESIS PRESENTS THE RESEARCH CARRIED OUT BY THE STUDENT IN AN INNOVATIVE (WAY OF THINKING) MANNER ADDRESSING THE PROBLEM OF LOW INERTIA DUE TO RENEWABEL ENERGY INTEGRATION.**

### IMPORTANT HIGHLIGHTS:

1. EFFECTIVE WAY OF IDENTIFICATION OF THE RESEARCH GAP THROUGH LITERATURE REVIEW AND FORMULATION OF OBJECTIVES
2. APPLICATION OF VARIOUS THEORIES AND TECHNIQUES TO ADDRESS THE PROBLEM OF LOW INERTIA AND 'DIVERSE' APPROACHES, CONCEPTUALLY AND MATHEMATICALLY FOR PROBLEM SOLVING.
3. THE THESIS SERVES AS AN INITIAL BENCHMARK WHILE PROVIDING ENORMOUS SCOPE FOR OTHER RESEARCHERS TO EXPLORE AND IMPROVISE THE AVAILABLE METHODOLOGIES LISTED.

**IN SPITE OF SOME OF THE LIMITATIONS (MENTIONED IN THE REPORT), THE THESIS IS WORTH ITS VALUE CAN BE RECOMMENDED FOR THE "BEST THESIS AWARD".**

