

**DEPARTMENT OF MECHANICAL ENGINEERING**

**TEZPUR UNIVERSITY**

**NAPAAM-784028**

**TEZPUR**



**CERTIFICATE**

This is to certify that the work contained in the thesis entitled “**Thermodynamic modeling and analysis of steam turbine based cogeneration systems with single and double effect absorption cooling as bottoming cycles**” submitted by **Sri Kamaljyoti Talukdar** for the award of the degree of Doctor of Philosophy of Tezpur University has been carried out under our supervision and guidance. This work has not been submitted elsewhere for the award of any other degree or diploma.

Date:

Prof. Sujit Ghosal

Deptt. of Mech. Engg.

Jadavpur University

Kolkata-700032Napaam-784028

West Bengal, India

Prof. Tapan K. Gogoi

Deptt. of Mech. Engg.

Tezpur University

Napaam-784028

Tezpur, Assam, India