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DEPARTMENT OF ENERGY

Forwarding Certificate

I hereby recommend that the thesis prepared under my supervision by **Bikash Kumar Sahu** entitled *"**A PIC microcontroller based solar wind hybrid system for rural area development**"* be accepted in partial fulfillment of the requirements for the degree of Master of Technology in Energy Technology.

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Under the guidance of

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Certificate of Approval

The foregoing thesis by **Bikash Kumar Sahu (Registration Number ENE10004)** is hereby approved as a creditable study carried out and presented in a manner satisfactory to warrant its acceptance as a pre-requisite to the degree for which it has been submitted. It is understood that by this approval the undersigned do not necessarily endorse or approved any statement made, opinion expressed or conclusion drawn therein but approved only for the purpose for which it is submitted.

Committee On

Final Examination for

Evaluation of thesis

DECLARATION BY THE CANDIDATE

I, Bikash Kumar Sahu, hereby declare that this thesis entitled "***A PIC microcontroller based solar wind hybrid system for the rural area development***" is submitted to the Department of Energy, Tezpur University, Tezpur, Assam, India for acceptance to award the degree of the Master of Technology in Energy Technology is prepared by me and the same has not been/is not being submitted to any other institution.

Date: 02/06/12

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