

CERTIFICATE

It is certified that the work contained in the thesis titled “Development of a Biomass integrated Solar-Wind Driven Hybrid System using Organic Rankine Cycle for Combined Electricity Generation and Syngas Production” by Mohit Prakash has been carried out under my supervision and that this work is not submitted elsewhere for any degree. It is further certified that the student has satisfactorily fulfilled all the requirements of Comprehensive examination, Candidacy, SOTA and Pre-submission seminar for the award of the Ph.D. degree.

Dr. Arnab Sarkar

Dr JP Chakraborty

(Supervisor)

(Supervisor)

Department Of Mechanical Engineering

Department Of Chemical Engineering

IIT(BHU)

IIT(BHU)