## **CERTIFICATE**

It is certified that the work contained in the thesis entitled "OXIDATION AND HOT CORROSION BEHAVIOR OF 904L SUPER AUSTENITIC STAINLESS STEEL IN BIOAMSS ASH ENVIRONMENT" by "MANISHKUMAR K SINGH" has been carried out under my/our supervision and that this work has not been submitted elsewhere for a degree.

It is further certified that the student has fulfilled all the requirements of Comprehensive Examination, Candidacy and SOTA for the award of Ph.D. Degree.

Supervisor Dr.Girija Shankar Mahobia

Department of Metallurgical Engineering Indian Institute of Technology (Banaras Hindu University) Varanasi – 221 005 INDIA Co-Supervisor Professor Om Prakash Sinha

Department of Metallurgical Engineering Indian Institute of Technology (Banaras Hindu University) Varanasi – 221 005 INDIA