

**Low temperature preparations of high alumina cements
and their utilization as bauxite based low cement
refractory castables**



THESIS SUBMITTED FOR THE AWARD OF THE DEGREE

OF

**Doctor of Philosophy
in
Ceramic Engineering**

Supervisor
Dr. Vinay Kumar Singh
Professor

Submitted by
Vijay Kumar
M.Tech

**DEPARTMENT OF CERAMIC ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY
BANARAS HINDU UNIVERSITY
VARANASI-221 005, INDIA**

Enrolment No. 296300

September-2014