CANDIDATE'S STATEMENT

I, Sharad Babu Pillai, hereby declare that the work incorporated in the present thesis is original and has not been submitted to any other University/Institution for the award of a Diploma or Degree. I further declare that the results presented in the thesis and considerations made therein contribute in general to the advancement of knowledge behind the underlying physics of geologically important materials under pressure.

(Sharad Babu Pillai)

Place: Vadodara

Date: 07/07/2021