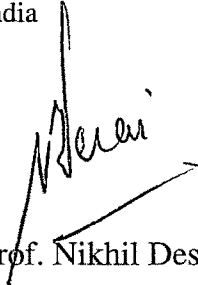


## CERTIFICATE

I hereby declare that the work presented in this thesis is original and has not formed the basis for the award of any degree or diploma by any university or institution.



Prof. R.Ramesh  
(Guide)  
Physical Research Laboratory,  
Navrangpura, Ahmedabad 380 009  
India



Prof. Nikhil Desai  
(Co-Guide)  
M S. University of Baroda  
Baroda 390 002  
India



Rajneesh Bhutani  
(Author)



Head, Department of Geology  
M S.University of Baroda  
Baroda 390 002  
India