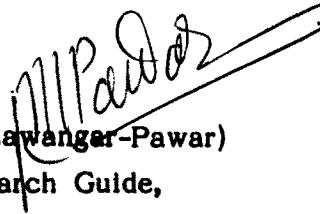


**CERTIFICATE**

I certify that Shri M.B. Rote has worked with me on the problem " Thermoluminescence and Structural Properties of CaO : Bi : Mn Phosphors " in the Department of Physics, Shivaji University, Kolhapur, and the work is reported in this thesis.



(Dr.R.D.Lawanger-Pawar)  
Research Guide,  
Department of Physics,  
Shivaji University, Kolhapur.