STATEMENT BY AUTHOR

This dissertation has been submitted in partial fulfillment of requirements for an advanced degree at Homi Bhabha National Institute (HBNI) and is deposited in the Library to be made available to borrowers under rules of the HBNI.

Brief quotations from this dissertation are allowable without special permission, provided that accurate acknowledgement of source is made. Requests for permission for extended quotation from or reproduction of this manuscript in whole or in part may be granted by the Competent Authority of HBNI when in his or her judgment the proposed use of the material is in the interests of scholarship. In all other instances, however, permission must be obtained from the author.

Rajendra Kumar Sharma
Declaration

I, hereby declare that the investigations present in this thesis has been solely carried out by me.

The work presented is original and has not submitted earlier as a whole or in part for a degree/diploma at this or any other Institution/University.

Rajendra Kumar Sharma