

INDIAN JOURNAL OF HISTORY OF SCIENCE

Vol 46 No. 3

ISSN 0019-5235

September 2011

SUPPLEMENT

KUṬṬĀKĀRĀŚIROMAṆI OF DEVARĀJA

(English Translation with Notes, Chap. 1)

Takao Hayashi



INDIAN NATIONAL SCIENCE ACADEMY
NEW DELHI
2011

KUṬṬĀKĀRĀŚIROMAṆI OF DEVARĀJA

Sanskrit Text with English Translation, Notes and Appendices

Takao Hayashi

Science and Engineering Research Institute

Doshisha University

Kyotanabe, Kyoto 610-0394, Japan

email: ganaka@kyoto.zaq.ne.jp



INDIAN NATIONAL SCIENCE ACADEMY

NEW DELHI

2011

Published for:
Indian National Commission for History of Science
by
Indian National Science Academy
Bahadur Shah Zafar Marg
New Delhi 110002

© Indian National Science Academy, 2011

Price:

Printed at Nirmal Vijay Printers, B-62/8, Naraina Indl. Area, Phase-II, New
Delhi - 110028; Tel.: 25891449, 25825360, (M) 9811053617

CONTENTS

	Page
Introduction	S1
0.1 Introduction	S3
0.2 Author	S3
0.3 Work	S4
0.4 Text	S6
0.5 Table of Contents and Reconstructed Verse Numbers	S7
Sanskrit Text	S15
1.1 sāgraparicchedaḥ prathamah	S17
1.2 niragraparicchedo dvitīyah	S37
1.3 miśraśredhīmiśrakuṭṭakāraparicchedas tṛtīyah	S74
Translation of Verses with Notes	S81
2.1 Chapter 1: Residual Kuṭṭākāra	S83
2.2 Chapter 2: Non-Residual Kuṭṭākāra
2.3 Chapter 3: Kuṭṭākāra Associated with Mixed Series
Appendices
A Astronomical Parameters and Notation
B Units of Arc and Time Used by Devarāja
C Decimal Names and Bhūtasamkhyās Used by Devarāja
D Proper Names Mentioned by Devarāja
E Quotations
F Bibliography