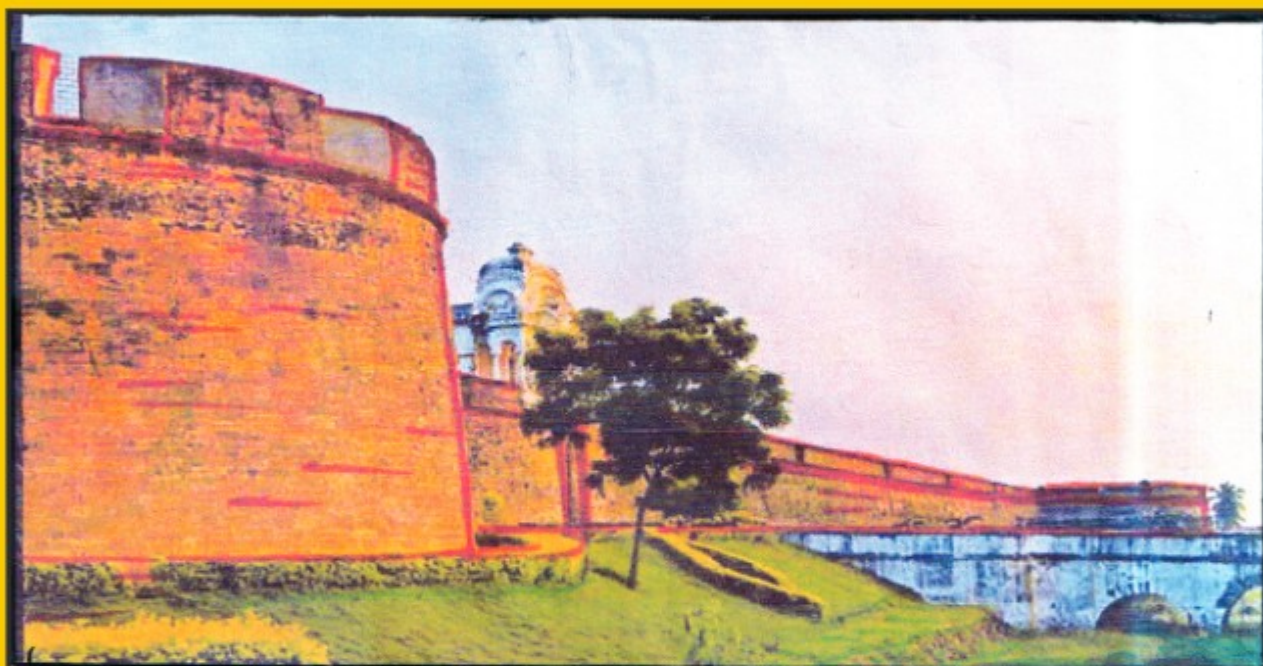


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Publisher :

Aditi Publication, Raipur, Chhattisgarh, INDIA

Researches in Eastern Coastal Forts, Monuments
and Islands of India (Ecolarch Series)

Year: 2024
Edition - 02

Author
Dr. H. D. Diwan
Raipur, Chhattisgarh, INDIA

ISBN : 978-93-92568-88-6

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Price : Rs. 6850/-

Publisher & Printed by:
Aditi Publication,
Opp. New Panchajanya vidya Mandir, Near Tiranga Chowk,
Kushalpur, Raipur, Chhattisgarh, INDIA
+91 9425210308

**Dedicated
To
LORD RAMESHWARNATH
(PUMBAN ISLAND)
(RAM SETU - DHANUSHKODI)**

FOREWORD

(Expression of Opinion)

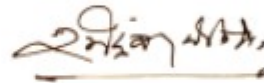
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Forts have been considered as Important Infrastructure in Indian history since the past 4th Century BC, they are also known as strongholds. The Country is surrounded by sea water in east, south and west margins by Bengal Sea, Indian Ocean and Arabian Sea, respectively. The Indian subcontinent is endowed with richest in Historical, Cultural, Religious Hindu Temples, Forts, Monuments, Architectural Heritages. The Archaeological Survey of India (ASI) has recognized and declared 3650 Monuments of National Importance and 25 Edifices declared as WHM (World Heritage Monuments) by UNESCO. The new Education policy 2020 of India has aimed and formulated the multidisciplinary approaches tending towards the composite subject knowledge. Thus, researches became multidimensional ways to interpret the significance of Tangible and Intangible Assets of Nation. India has own Architectural features (Nagara and Dravidian Styles) and Archaeological importance which reflects the contemporaneous Historical Ages. The present research work includes social, cultural and political status of India's Eastern Coast to tip of southern point Kanyakumari, fortunately, I had gone to Vivekananda Rock Island, known as Holy Place of Goddess Kanyakumari and the Meditation spot of Hindu Monk Swami Vivekananda. In the present context, the author has tried to elaborate the Historical, Archaeological facts, Architectural features and Environmental conditions, landscapes of the Heritage sites of coastal

areas from Tamralipti, Bengal to Kanyakumari, Vivekanand Memorial Island of Tamilnadu. The book has included new trends of Scientific and Technological Illustrations of physical domain of Heritage sites utilizing the Satellite Remote Sensing data Product. In the book, the author has described the Rameshwaram, Temple, Pambandweep (Island), Vivekananda Rock Island, Tamralipti Ancient Port, Manora Fort and Monuments, Moynagarh Fort, Barabati Fort and Palace, Vizianagaram Fort and Palace with their Historical, Architectural and Archaeological importance which reflects the Contemporary Architectural features and Infrastructure of the region. In the Indian History, the important Hindu reigns includes Empire of Mauryan, Guptas, Rajputana, Chola, Pushya, Kaketeya, Chalukya, Pallava & Sen Dynasty. The South and South-East Asia have been important Trade centers since historical periods. These were connected with the Ancient Trade Routes via states Jambu Island, Siam, Thailand, Singapore..... etc. The evidences by findings of Antiquities, coins, seals, inscriptions, monuments in these Trade Route Localities confirms the Trade Route. The perspective analysis of Archaeological evidences / materials reflects the importance of historical coastal areas and sea ports in Bay of Bengal. The Author has written with tireless work an innovative study, based on facts and remote sensing imagery interpretations. The work and interpretation analysis of subject matters inspiring the inventors and scholars of Architecture, Archaeology, History, Social and Cultural heritages of Eastern and Southern Coastal regions of our nation India (Bharat).

I hope, that the subject matter of the book will be certainly valuable and useful to the students, Research Scholars, Academician, Professionals working in the related fields.



2024

[Prof. (Dr.) Ramendra Nath Mishra]

ACKNOWLEDGEMENTS

The Author wish to express his deep sense of gratitude to Omnipotent Nature for her Kindness.

The Author is highly thankful to Acharya, Prof. (Dr.) Ramendra Nath Mishra, Historian and his family members for their constant encouragement and support.

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PREFACE

India is a rich country in Tangible and Intangible Heritages since it possess Super Infrastructures in form of physical assets e.g. Forts, Palaces, Monuments, ancient civilized settlements whereas religious, cultural and social stratifications are Inherent Intangible properties, Likewise, the diversity exists on physiographic conditions of terrains, landscape and ecological zones of environment in Indian territories. For defensive and protective infrastructures, the site selection of Forts, Palaces locations of hilly rugged terrains were preferred by the rulers of state or Reign in Ancient and Medieval India. The details about mainland and continental inland based structures are available in many literatures, Archives, Records, Gazetteers, Govt. Reports etc. A little information known about coastal segment, Ecological conditions of Sea Shore, stability and sustainable construction of huge infrastructures. The coastal region is mainly affected by eco-environment of Sea water, waves, and geomorphic processes which is dynamic in nature. The site of coastal margins, Islands, deltaic zones require various protective measures and conservation practices to retain the huge structures stable and intact in long duration of time span. In volume I of ECOLARCH Series, the Eastern Sea Coastal Sea shore from Gangetic Delta to southern tips of India, Kanyakumari distt. Vivekananda Rock Island Monuments has been illustrated in form of Research Article Chapters. (I to VII) The Sea Islands Rameshwaram Pamban and Vivekananda Rock Islands are evolved by different geologic processes. The religious Monuments built on Islands considered Ecological and geomorphic characteristics of the site region. It is described in new trends of Satellite Remote Sensing data interpretation with spatial and temporal analysis. (Chapter I and Chapter II) The Tamralipta was an Indian Ancient Port (IAP) has been studied for Historical Religious Monuments and Rajbari Palace. The ancient trade route (ATR) from copper Mines of

Mosabani to south Asian Countries at present buried underneath the fluvial plains of Gangetic Deltaic zone. The Religious monument Baghambhima Temple (10th Century AD) still survive and represents Traditional Bengal Architecture (Chapter III) The Manora fort lies on Coastal Sea Beach Landscape of Chinnamanai Coast, Bay of Bengal, Thanjavur distt. TN. The eight storied hexagonal Minaret was built by Maratha feudatory Surfoji II (1815 AD) as a Victory Tower. (23 m height) It has been renovated after disaster attack by Tsunami. The Dravidian Architecture style adopted for fort and Hindu religious monuments found in the premises of fort wall precincts (Chapter IV). The Moyanagarh fort and Rajbari built in Medieval period by Dharma King Lau Sen in 10th Century AD. It shows the double concentric water moat in square shape, built for protective measure displays Traditional Orissan and Bengal Architecture of fortification (Chapter V). The Baramati fort and Palace of Cuttack has tremendous Cultural heritage value constructed on deltaic zone of Mahanadi catchment in Orissa. (Chapter VI). The forts and Temple monuments of Vizianagaram city of Andhra Pradesh reflects Traditional Indian style of Architecture. (Chapter VII). All the seven Chapters has been peer reviewed by subject experts in the fields of Architecture, Indian History, Archaeology and Geosciences, it persist the academic values of matters included in this book by the author. The subject matters consulted have been properly acknowledged and cited in the references. I hope that the volume is considered to be of utmost value to Academicians/ Researchers/ Professors engaged in the related fields.

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