Landforms of India from Topomaps and Images

“The volume that you hold in your hands is a rich visual celebration of India’s landforms covering the entire geological time scale ranging from the Hadean (~4600 Ma) to the Recent (Holocene), using different mediums including earth-based terrestrial photography, remote sensing satellite images and time-honoured traditional topographic maps. The union of different ways of viewing the earth’s features presented in this volume creates a rare, more holistic view of India’s geologic and human landscape that has not yet been available before. An easily accessible text, with the aid of annotated maps, images and diagrams, assist in explaining key concepts in geological terminology to the reader”.

“The volume has highly benefited in the incorporation of data obtained from the Geological Survey of India, Indian Space Research Organization and Survey of India. Never before has such a collection from different sources on this scale of India’s diverse landforms been assembled and presented in such a user-friendly manner. The aim of this publication is to stimulate interest in landforms in general, and those of India in particular and it is designed to be a learning tool for students, teachers and the curious among the public”.

How to Order a copy

Price: Rs. 3,200 (Including postage) ;
$ 150 (US) Prepayment through a cheque (add bank commission of Rs. 50 ) or Demand draft in favour of The Geological Society of India.

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The Atlas on “Landforms of India from Topomaps and Images” is an attempt to bring out examples of different types of landforms of India in different sections of the country resulting from different processes – weathering, mass wasting, fluvial, aeolian, glacial, marine, tectonic etc., as can be recognized in the maps (of Survey of India) on 1:50,000 scale and / or the satellite images (of National Remote Sensing Centre) on almost the same scale. About 60 areas have been chosen in which such landforms are present and can be recognized.

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Who will be the beneficiaries?
Students of Earth Sciences in general and those of Geology and Geography in particular will find this Atlas useful not only as to how to recognize the landforms in the maps and images, but also for any other study, particularly in the fields of land use, agriculture, hazard mitigation, environment protection, planning of highways, railway lines etc. For teachers it will be a useful material to teach and familiarize the students in the recognition of various landforms both in the maps and images. Even students of other disciplines interested in landforms of India will find this publication a useful guide and also to realize that such landforms exist in India.

A sample of a pair of a map and its image along with photographs and a list of “Physiographic Features” recognizable in them, are shown here. “Notable Features” includes additional information that can be obtained from the interpretation of the image in many cases and some features much better recognizable than in the maps.

A glossary at the end gives the definitions of landforms to enable understanding of the terms used in the text, and lastly instructions as to how the full maps of the 60 areas (as only parts of them are given here) and the corresponding images can be obtained, if needed.