

NOTES

GRAPHICAL INFORMATION SYSTEM ON INDIAN GEOLOGY

Indian Geology is quite complex and consists of various rock types formed at different geological time periods ranging from Archean to Recent Alluvium. Though various regional geological maps are available, quick access to the geological information is a long standing requirement of Indian earth scientists.



Geological Map of India.

A new software package—Graphical Information System on Indian Geology, has been developed for the first time in India, on Cyber 180/850A, a main frame computer at the National Geophysical Research Institute (NGRI), Hyderabad, to get the instantaneous information on Indian Geology. It is user friendly and can be used interactively to get the geological information directly on a screen of colour graphics workstation terminal. Various options have been included in the package to suit the general needs of the earth scientists. For example, using this package the user can view the geological map of India as a whole (Fig.1)

or a particular area of interest by specifying the geographic coordinates or a particular topsheet number. One can select to view the different rock types belonging to a particular geological system. The information on the surface geology along a specified profile can also be viewed. The information on the colour screen can be printed on a colour copier.

The software is being modified to suit to PC environment and can also be extended to include additional information such as gravity, magnetic, seismic etc.

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Reference

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