

REMOTE SENSING IN SUBSURFACE EXPLORATION Editor: K. R. Rao. Published by the Association of Exploration Geophysicists, Hyderabad. Pages 151, Price: Rs. 200, \$ 40.

The present volume under review contains the proceedings of the Colloquium on the application of remote sensing technology and airborne geophysics, held in October 1980 at Bangalore.

A total number of sixteen papers are included. The first paper gives a brief account of the facilities and specific expertise that is available at the National Remote Sensing Agency (NRSA) for the user agencies in geosciences and mineral exploration. Eight papers are devoted to the application of remote sensing data and include evaluation of groundwater resources in Uttar Pradesh plains; water resource management studies in Kandi area of Haryana; identification of metallogenic lineaments in Chitradurga area of Karnataka; image enhancement and lineament mapping through computer assisted analysis of Landsat data for Godavari basin and Central India respectively; studies on micro-wave remote sensing and application of an indigenously designed low-cost, portable spectro-radiometer in ground truth collection. Four papers give details on the interpretation of airborne geophysical data such as, airborne magnetic and radiometric data interpretation for geology and structure in parts of eastern Narmada valley and southern part of Bastar district in Madhya Pradesh respectively, airborne geophysical responses over hard rock terrains in the Indian Peninsula on various litho units including mineralised areas and aeromagnetic data processing using geostatistical techniques covering the southern part of the Nuggihalli belt and Aladahalli cupriferous pyrite deposits. The volume also includes two papers on the utility of Landsat information for geological interpretation of aeromagnetic data in Manipur area and part of Bihar mica belt. Another paper deals with the application of photo geomorphic studies as a guide for groundwater prospecting in Karimnagar District, Andhra Pradesh and delineation of Ramgarh domal structure in Western India with the help of aerial photographs and satellite imagery.

This useful compilation should find a place in all University libraries and institutions as a source of information on Indian case histories. Copies can be had from the Secretary, Association of Exploration Geophysics, Osmania University, Hyderabad 500 007.

ANNOUNCEMENT

EIGHTH ANNUAL CONVENTION AND SEMINAR ON EXPLORATION GEOPHYSICS.

4th-6th November 1982, VARANASI, INDIA

The Seminar will be held from 4th to 6th November 1982 at the Department of Geophysics, Banaras Hindu University, Varanasi 221 005.

Themes include: 1. Geophysical Technology. 2. Instrumentation, integration, and optimization of Geophysical Strategies. 3. Geophysical data processing and interpretation, mathematical modelling of earth systems. 4. Regional studies and geological mapping. 5. Exploration for oil, natural gas and other energy resources. 6. Exploration of ore deposits. 7. Exploration for groundwater. 8. Engineering geophysics and related studies.

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