FIRST MEETING OF IGCP PROJECT 426 ON GRANITE SYSTEMS AND PROTEROZOIC LITHOSPHERIC PROCESSES

The first meeting on IGCP Project No. 426 on “Granite Systems and Proterozoic Lithospheric Processes” was held at Jaipur on 17th and 18th October, 2000. B.D. Dungrakoti, Chairman, IGCP - Project 426 welcomed the participants and elaborated the aims and objectives of project and emphasized the need for synthesizing the available data on Proterozoic granite systems, identifying the gaps in information and work for acquisition of state-of-art data. S.K. Bhushan, Convener, presented his report giving details of activities during the last year. The inventory of all the Proterozoic granites has been compiled and presented during the meeting. Initiating the discussions, Y.K. Arora gave detailed account of various granite systems, their classification and tectonic significance. Dr. R. Islam outlined the status of knowledge of Proterozoic granites of western Himalaya. M.S. Bodas gave an account of the geochemistry and petrography of Bundelkhand gneiss which occupies an area of 11,000 km². He also described other Peninsular Indian granites of Uttar Pradesh. S. Niyogi gave a detailed account of the Proterozoic granites/gneisses from West Bengal, Sikkim and Bhutan Himalaya. T. Ray Burman described the Proterozoic granites of NE Himalaya. S. Mohanty described the Proterozoic granites of Madhya Pradesh and Bihar and their relation to specific types of mineralisation. H. Sarvothaman described a few plutons from Tamil Nadu and Maharashtra. Sanjay Das described the Proterozoic granites from Gujarat. S.K. Bhushan and V.K. Chittora gave an account of the major element geochemistry, modal analysis and petrography of two granite/orthogneiss plutons each, from Palaeo-Meso and Neoproterozoic ages from Rajasthan.

TRAINING PROGRAMME ON AEROMAGNETIC SURVEY FOR EARTH RESOURCES

A fortnight-long training programme on Aeromagnetic Survey for Earth Resources was conducted by Project Indigo of Geological Survey of India Training Institute at Hyderabad from 20-11-2000 to 1-12-2000. The programme was designed and conducted by Colin Reeves, Professor, Exploration Geophysics, ITC, Netherlands, assisted by the faculty members of the training institute and co-ordinated by E.V.R. Parthasaradhi. A total of 24 trainees drawn from various organizations like GSI, Directorates of Geology, Indian Navy, NGRI, National Institute of Oceanography, BHU and Andhra University participated in the training programme. A.G.B. Reddi, Dy. Director General (Retd.), GSI and Y. Shreedhar Murthy of Osmania University addressed the training course.

Prof. Reeves dealt with the basic concepts of geomagnetism, paleomagnetism, forward computation of magnetic anomalies useful in geology, effects of geological parameters on the magnetic anomaly patterns and resolution of magnetic anomalies in a well arranged lecture series. He reiterated the urgency of integration and reconciliation of interpretation of aeromagnetic anomaly map with other sources of map data, viz., gravity, radioactive, satellite imagery, photogeology, geochemical and geological information. He emphasized the need of interpretation of the existing vast body of aeromagnetic survey data, which is continuing to grow at a rate of 250,000 line km per year world wide. The practical sessions helped in the familiarizing and handling of various software like GEOSOFIT, MAGMOD etc. for processing and interpretation of aeromagnetic data.

Souvenir volume containing abstracts of nearly 47 invited lectures was released on the occasion and is available, (Email:ksr@kadali.nio.ot-g) gratis on request from the Scientist-in-charge, National Institute of Oceanography (NIO), Regional Centre, 176, K.S.R. MURTHY

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