

Three samples No. P/M/9, 10, 11 (Table I) drawn exclusively from the banded iron formation have yielded very interesting REE concentrations. Particularly, the sample No. P/M/10 has yielded 4.54% La, 6.24% Ce, 2.49% Nd, 0.18% Sm, 0.03% Eu and 0.0193% Th with  $\Sigma$ REE at 13.51% which is altogether a new high for REE in India. Viewed against a crustal abundance of 10 ppm to 50 ppm, these values assume greater significance.

**Table I.** REE concentrations in the BIF.

Sample No.	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Th
P/M/9	1110	1460	605	32	5.4	0.29	0.56	0.12	14
P/M/10	45440	62380	24860	1825	320	20	95	1.2	193
P/M/11	290	387	110	15	2.4	0.1	0.17	0.02	2.3

The REEs occur in dark coloured mesobands of widths varying from 2 mm to 20 mm in alternation with light coloured chert bands. The total width of the BIF varies from 5 m to 10 m. The BIF is highly sheared. Minor  $F_2$  folds are seen at P/M/10 whose axial planes trend in N15°E-S15°W with 70° westerly dips and with a plunge of 50° in N15°E direction. Samples 9, 10 and 11 were picked up as a test case for gold. Since the programme was envisaged for gold, further samples from P/M/12 to P/M/105 were collected at 100 m intervals including bluish and grey quartz veins/permeating the sheared BIF all along the Basavanagudda-Ajjanahalli range. Quartz samples have analysed 0.1 to 0.7 ppm of gold by AAS. Their REE values are just normal and no anomalous concentrations are observed.

Further studies are being continued.

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### Reference

SAWKAR, R.H., HUSSAIN, S.M. and NAQVI, S.M. (1995). Gold mineralisation in the Sulphidic BIFs of Chitradurga Schist Belt, Karnataka - Possibility of New workable Gold Deposits, *Jour. Geol. Soc. Ind.* v. 46(1), pp. 91-93.

## ANNOUNCEMENTS

**XII CONVENTION OF INDIAN ASSOCIATION OF SEDIMENTOLOGISTS** - 20-22, December, 1995. At the Department of Marine Sciences and Marine Biotechnology, Goa University, Taleigao Plateau, Goa. For details write to : Dr. G.N. Nayak, Convener, XII Convention of I.A.S., Dept. of Marine Sciences, Goa University, Goa - 403 205.

**THE GLOBAL VIEW CD-ROM SET** - A collection of four compact discs. 1. Coastal change analysis project (Chesapeake Bay Region). 2. Global ecosystems data base. 3. Experimental calibrated Global Vegetation Index from NOAA'S AVHRR. 4. Terrain Base - Worldwide Digital Terrain Data. \$ 261.00. Address enquiries to : National Geophysical Data Center, NOAA, Code E/GC1, 325, Broadway, Dept. 966. Boulder, Colorado, 80303-3328, USA.

**30TH INTERNATIONAL GEOLOGICAL CONGRESS** - 4-14 August, 1996, Beijing, China, Short Course on "Procedure and application of granulometric analysis of ore minerals" 10-11, August, 1996, conveners: P.S. Ranawat and N.K. Sharma. Workshop on "Fluoride in water sources and human health." 10th August, 1996, Conveners : Vinod Agrawal and F.J. de Mulder. For further details write to : Scientific Programme Committee, 30 4/GC, P.O. Box. 823, Beijing 100 037, P.R. China.