Report on GEOTRACES (India) Activity
Nine groups from India initiated working on trace elements and isotope studies in the Arabian Sea, the Bay of Bengal and associated estuaries

Funding comes from Ministry of Earth Sciences (MoES) India

Acquisition of clean sampling system similar to US GEOTRACES for Indian GEOTRACES programme is in process

The system should be operational by the end of this year

Indian GEOTRACES contributed INR one million towards the GEOTRACES International Data Centre
Participated in Nd intercalibration Programme of GEOTRACES

BATS deep, Nd intercalibration, normalized to LJ = 0.511858 or JNd1 = 0.512115
Nd intercalibration

BATS shallow, Nd intercalibration, normalized to LJ = 0.511858 or JNdi = 0.512115
Studies on some of the less contamination prone trace elements and isotopes were continued on the samples collected using conventional techniques.

Nd isotope compositions in water columns of the Bay of Bengal along 87° E transect are analysed.
$\varepsilon_{\text{Nd}}$ in the Bay of Bengal

Cruise Track SS259-08
November – December 2008

- India Boundary
- Depth Profiles
- Surface Samples
Results display significant contribution of non-radiogenic Nd from the Ganga and the Brahmaputra river system to the Bay of Bengal water.

Dissolved Nd budget of BoB is significantly influenced by Nd from particulate matters.
GIO2: Arabian Sea: November to December 2011
GIO3: Indian ocean: Chennai-Australia-Chennai: January to March 2013
Publications: