



***Geosciences Division
Physical Research Laboratory***

Tuesday Seminar

**Post LGM sedimentation record in marine marginal basin of the
Great Rann of Kachchh, Western India**

Abstract

The enigmatic terrain of the Great Rann of Kachchh (GRK) basin is bounded by Thar Desert; Aravalli ranges in the north and northeast, whereas its southern and western boundary is shared with Kachchh mainland hills and Arabian Sea respectively. Situated on continental margin of Indian subcontinent, the GRK basin has preserved continuous record of post glacial sedimentation that continued till recent past. Structurally a half graben, the GRK has witnessed complex interplay of climate-tectonic forcing throughout the Quaternary times. Several scientific issues regarding GRK basin yet to understand completely such as- the provenance of the sediments, geomorphic evolution, land-sea interaction changes, marine inundation pattern and its role in flourishing the earlier civilization invites earth scientists to reconstruct its past. To address some of these issues, the preliminary results from GRK studies provide evidences of tectonic upliftment, land-sea interaction and paleoclimatic/paleo-environmental changes throughout post LGM would be discussed.

**Speaker: Dr. Niteshkumar N Khonde
PDF, GSDN**

Date	Time	Venue
12-April-2016	16:00 hrs	Ground Floor Lecture Hall

**All are invited to attend and participate in discussion
Tea at 15:30 hrs**

Neeraj Rastogi, Seminar Secretary, Geosciences Division