

## **Regional Structural Style of Chambal Valley Vindhyan Basin, Rajasthan, India Introduction**

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The Chambal Valley Sector of Vindhyan Basin is located in eastern Rajasthan, India and covers an area of approximately 80,000 km<sup>2</sup>. It is believed to be the western continuation of Son Valley Vindhyan Basin albeit obscured by a 40,000 km<sup>2</sup> drape of basalt towards the south. Chambal Valley Sector is known to possess Meso-Neo Proterozoic fill to the magnitude of over 6000 meters based on analogy from geological database of relatively better explored Son Valley and recently acquired 2D seismic data in the said sector. However, Chambal Valley depicts large scale structural deformation readily evident by multitudes of eye catching surface morphological entities.

Through this article the authors have attempted to promote their contention of poly-history tectonics and thereby regional structural style of Chambal Valley Sector, Vindhyan Basin.

Surface geological, Satellite Imageries, potential field and 2D reflection seismic data has been utilized for elucidation of information and facts generation. The observations thus gathered have aided in developing an understanding of the causatives of this structural vividness.