

## Sedimentary Basins in India

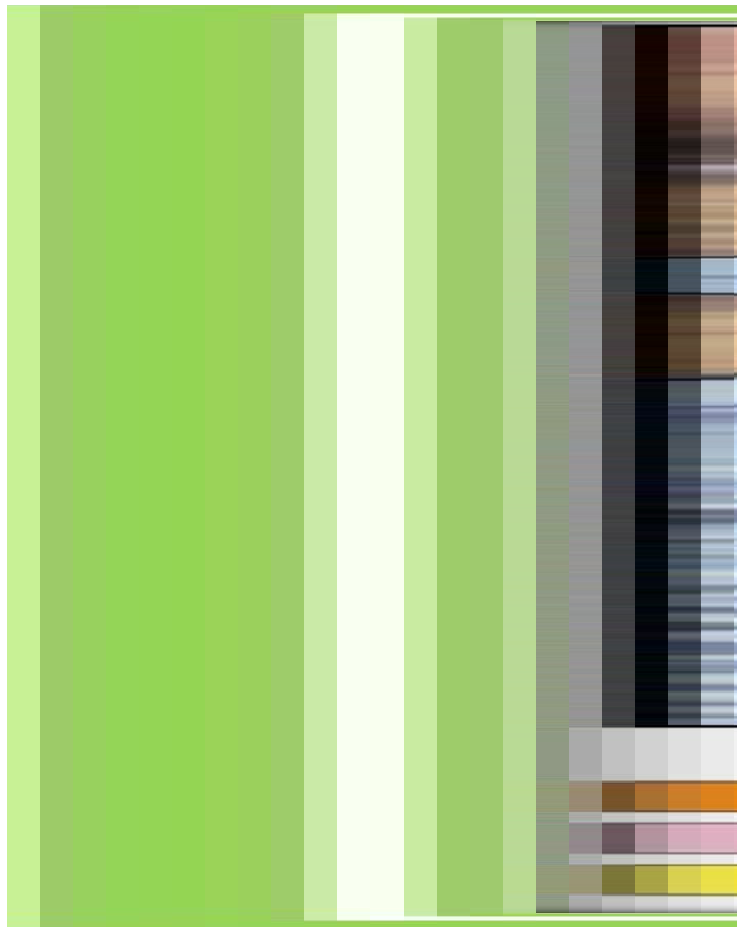
India has 26 sedimentary basins covering an area of 3.14 million square kilometres. The sedimentary basins of India, onland and offshore up to the 400m isobath, have an aerial extent of about 1.84 million sq. km. In the deepwater beyond the 400m isobath, the sedimentary area has been estimated to be about 1.30 million sq. km.

Broadly Indian sedimentary basins have been divided into four categories based on their degree of prospectivity as presently known. The categorization based on the prospectivity of the basin as presently known is as under:

**Table : Categories of Indian sedimentary basins**

Type of basins	Area (Sq. KM)	Hydrocarbons Prospectivity	Basins/ Region
Category I ( 7 Basins)	518500	Established commercial production	Cambay, Assam Shelf, Mumbai offshore, Krishna Godavari, Cauvery, Assam Arakan Fold Belt and Rajasthan
Category II ( 3 Basins)	164000	Known accumulation of hydrocarbons but no commercial production as yet	Kutch, Mahanadi-NEC & Andaman-Nicobar
Category III ( 6 Basins)	641000	Indicated hydrocarbon shows that are considered geologically prospectivity.	Himalayan Foreland, Ganga, Vindhyan, Saurashtra, Kerala-Konkan-Lakshadweep & Bengal
Category IV (10 basins)	461200	Uncertain potential which may be prospective by analogy with similar basins in the world.	Karewa, Spiti-Zanskar, Satpura-South Rewa-Damodar, Narmada, Decan Syncline, Bhima-Kaladgi, Cuddapah, Pranhita-Godavari, Bastar, Chhattisgarh
Deepwater	1350000		East & west cost from 400 m water depth to EEZ

<b>Total</b>	<b>313470 0</b>	<b>-</b>	
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**Indian  
Sedimentary  
Map of India**

**3.14 million Sq.  
Km**

Crude oil & natural gas production in the country is from 7 basins under category-I and deepwater areas. In category-II basins, hydrocarbon discoveries have been made but commercial production is yet to commence. The distribution of total Indian sedimentary area of 3.14 million square kilometre under different categories and deepwater is presented as under:

