



# GEOLOGICAL AND MINERAL MAP OF RAJASTHAN

1999  
Scale 1:2,000,000

km 100 80 60 40 20 0 100 km  
Projection: Lambert conical orthomorphic  
Published under the direction of the Director General, Geological Survey of India, Calcutta

## LEGEND

Geological Period	Geological Formations / Groups		Minerals
	Code	Description	
CENOZOIC	Q	Alluvium and wind blown sand	▲ Apatite ▽ Asbestos □ Barytes ○ Bauxite ▨ Bentonite ◊ Beryl ▽ Calcite ⊕ Clay ⊕ Copper ⊠ Construction material ● Emerald ▭ Feldspar ⊕ Fluorite ▨ Fuller's earth □ Garnet ● Graphite ⊕ Gypsum ▨ Halite (Potash) ● Iron ore
	Q <sub>s</sub> , Q <sub>p</sub>	Shumar / Phalsund Formation	
	Pg <sub>1</sub> , Pg <sub>2</sub> , Pg <sub>3</sub> , Pg <sub>4</sub> , Pg <sub>5</sub>	Bandah / Kapurdi / Jogira Formation Khulala / Mandai / Marh Formation Sanu / Akli / Palana Formation	
MESOZOIC	Ka, Kf	Abur / Fatehgarh Formation	▨ Kyanite ⊕ Lead and Zinc ⊕ Lignite ⊕ Limestone ⊕ Magnesite ▨ Manganese ▨ Marble ⊕ Mica ▨ Molybdenite ⊕ Ochre ⊕ Phosphorite ▨ Polymetallic base metal ⊕ Pyrrhotite ⊕ Pyrophyllite ⊕ Salt ⊕ Silver ▨ Soapstone ▨ Tungsten ▨ Vermiculite ▨ Wollastonite
	Jkp	Pariwar (Parihar) Formation	
	Jbd	Badesar Formation	
	Jbs	Baisakhi Formation	
	Jl, Jm	Jaisalmer Formation Lathi / Mayakar Formation	
PALAEOZOIC	Pb	Badhaura Formation	⊕ Ochre ⊕ Phosphorite ▨ Polymetallic base metal ⊕ Pyrrhotite ⊕ Pyrophyllite ⊕ Salt ⊕ Silver ▨ Soapstone ▨ Tungsten ▨ Vermiculite ▨ Wollastonite
	CPba	Bap Boulder Bed	
PROTEROZOIC	Pt <sup>3</sup> mn	Nagaur Group	⊕ Ochre ⊕ Phosphorite ▨ Polymetallic base metal ⊕ Pyrrhotite ⊕ Pyrophyllite ⊕ Salt ⊕ Silver ▨ Soapstone ▨ Tungsten ▨ Vermiculite ▨ Wollastonite
	Pt <sup>3</sup> mr	Bilara Group	
	Pt <sup>3</sup> mj	Jodhpur Group	
	Pt <sup>3</sup> br	Birmania Formation	
	Pt <sup>3</sup> ra	Randa Formation	
	Pt <sup>3</sup> vb	Bhandar Group	
	Pt <sup>3</sup> vr	Rewa Group	
	Pt <sup>3</sup> vk	Kaimur Group	
	Pt <sup>3</sup> vk	Khorip Group	
	Pt <sup>3</sup> yl	Lasrawan Group	
Pt <sup>3</sup> ysd	Sand Group		
Pt <sup>3</sup> yvt	Satola Group		
ARAVALLI SUPERGROUP	Pt <sup>2</sup> ad	Debari Group	⊕ Ochre ⊕ Phosphorite ▨ Polymetallic base metal ⊕ Pyrrhotite ⊕ Pyrophyllite ⊕ Salt ⊕ Silver ▨ Soapstone ▨ Tungsten ▨ Vermiculite ▨ Wollastonite
	Pt <sup>2</sup> ad	Debari Group	
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	Pt <sup>2</sup> ad	Debari Group	
	Pt <sup>2</sup> ad	Debari Group	
BHLWARA SUPERGROUP	Abh, Abm, Abs	Hindoli Group / Mangalwar Complex / Sand Mata Complex	⊕ Ochre ⊕ Phosphorite ▨ Polymetallic base metal ⊕ Pyrrhotite ⊕ Pyrophyllite ⊕ Salt ⊕ Silver ▨ Soapstone ▨ Tungsten ▨ Vermiculite ▨ Wollastonite
	Pt <sup>1</sup> ad	Debari Group	
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Geographic details based upon Survey of India map with the permission of the Surveyor General of India. National Highways, Major roads and Railway Trunk Routes only are shown.

This map incorporates surface and interpolated subsurface geological data and known mineral occurrences up to year 1993. The formal contacts in sand-covered areas are interpolated. Compiled by: P.K.Sinha, Director and P.Shrivastava, Geologist (Sr). Co-ordinator: B.D.Dungrakoti, Deputy Director General, W.R. del: K.L.Meena, Draughtsman. Digital cartographic processing for printing by: Dr.N.R.S.Reddy, Geologist (Sr.) under the supervision of E.V.R.Parthasaradhi, Director. Printed at the Map Printing Division, Geological Survey of India, Hyderabad.