

Indo Myanmar Ranges In The Tectonic Framework Of The Himalaya And Southeast Asia Proceedings Of The

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Indo Myanmar Ranges In The The Indo-Myanmar Ranges (IMR) of Myanmar, also known as the Indo-Burman Ranges (IBR) or the Western Ranges, extend from the East Himalayan Syntaxis (EHS) southwards along the eastern side of the Bay of Bengal to the Andaman Sea, comprising the Naga Hills Tract in the north, the Chin Hills in the middle and the Rakhine (Arakan) Yoma in the south. The IMR is economically important; major discoveries of oil and gas have been made in the Bay of Bengal to the west of the Rakhine Yoma, and there ... Chapter 4 Geological and tectonic evolution of the Indo ... Geography. Indo-Burma encompasses 2,373,000 square kilometres (916,000 sq mi) of tropical Asia, east of the Ganges-Brahmaputra lowlands. Formerly including the Himalaya chain and the associated foothills in Nepal, Bhutan and India, Indo-Burma has now been more narrowly redefined as the Indo-Chinese subregion. Indo-Burma - Wikipedia Lithology Indo-Burman Range. Arakan Mountains in Maungdaw district. The Indo-Burman Range is a sedimentary belt mainly consisted... Myanmar Central Belt. The Cenozoic pull-apart basins along the Myanmar Central Belt (MCB) are filled-up with 15 km thick... The Shan Plateau. Belonging to the rigid ... Geology of Myanmar - Wikipedia The Indo-Burma Range (IBR) is a broadly N-S trending arcuate fold-thrust belt located between the Bengal-Assam basin to the west and the Central Burma Basin to the east. The Bengal Basin joins with... (PDF) Tectonic evolution of Indo-Burma Range with special ... The Indo-Burma Ranges extend N-S for 1300 km, broaden

northwards and are up to a maximum of 300 km wide passing from the Kabaw Valley in the east, to the most external folds in the west in Bangladesh (Fig.

1). Structural and tectonic development of the Indo-Burma ranges Indo-Myanmar Ranges of Myanmar. Ridd (2017) suggests that a branch of the Tethys Ocean to the north passes south-wards in Myanmar and Thailand into a major transcurrent fault. In Mitchell et al.'s (2012) interpretation, the Shan Plateau was thrust westwards over the eastern margin of the West Myanmar Block in the Early Cretaceous. Chapter 1 Introduction to the geology of Myanmar Fold axes in the Indoburman ranges and an east dipping inclined zone of intermediate depth earthquakes suggest that a slab of oceanic lithosphere was recently subducted to the east under the Indoburman ranges. Fault plane solutions of shallow earthquakes, however, do not show underthrusting at the present time. Active faulting and tectonics of Burma and surrounding ... The Indo-Myanmar Border Force (IMBF) is a proposed and soon-to-be-composed [when?] force of 29 battalions - 25 battalions from Assam Rifles and 4 battalions from Indo-Tibetan Border Police - to guard the 1,643-kilometre (1,021 mi) long Indo-Myanmar border. IMBF will remain under ITBP and will patrol the border to the zero line (as of January 2018). India-Myanmar border - Wikipedia The Sagaing Fault is a major tectonic structure that cuts through the centre of Myanmar (formerly known as Burma), broadly dividing the country into a western half moving north with the Indian plate, and an eastern half attached to the Eurasian plate. The Sagaing Fault, Myanmar (Burma) - Introduction The active tectonics of Myanmar are

controlled by the combination of: (1) the continuing northwards penetration of India into Asia, ongoing since the initial collision and closing of the Tethyan ocean c. 50 Ma; (2) the active dextral shear along the right-lateral Sagaing strike-slip fault, and region to the west across the Indo-Burma Ranges or Indo-Myanmar Ranges (IMR); (3) the active eastwards-dipping Burma Seismic Zone that indicates subduction of a downgoing plate to depths of >150 km; (4 ... Chapter 2 Active tectonics of Myanmar and the Andaman Sea ... The Indo-Myanmar Ranges (IMR) of NE India are host to various ophiolitic rocks, including metamorphosed Alpine-type harzburgite and lherzolite. Compared to abyssal peridotites of normal oceanic lithosphere, these ultramafic rocks are enriched in trace and rare earth elements. Ophiolitic rocks of the Indo-Myanmar Ranges, NE India ... The Indo-Myanmar Ranges (IMR) of Myanmar, also known as the Indo-Burman Ranges (IBR) or the Western Ranges, extend from the East Himalayan Syntaxis (EHS) southwards along the eastern side of the... Chapter 4 Geological and tectonic evolution of the Indo ... Abstract: The Indo-Burman Ranges in western Myanmar extend along the Sunda Arc subduction zone and may be divided into a western portion of Neogene sedimentary rocks and an eastern portion of Palaeogene sedimentary rocks, separated by the Kaladan Fault. Both Himalayan and Burman sources have been proposed for these sediments. Provenance of the Tertiary sedimentary rocks of the Indo ... The 1,600 km (990 mi) Indo-Burmese border separates the Indian states of Mizoram, Manipur, Nagaland and Arunachal Pradesh in Northeast India from Kachin State, Sagaing Region and

Chin State in Myanmar/Burma. In addition to the long land border, India and Myanmar also share a maritime border along India's Andaman Islands. India-Myanmar relations - Wikipedia The Indo-Burman Ranges (IBR) are a mountain range comprised of Mesozoic-Cenozoic rocks which run the length of Western Myanmar, extending into India and Bangladesh; to the west lies the Indian ... (PDF) Indo-Burma Range: a belt of accreted microcontinents ... The tectonics of northeastern India and western Myanmar are controlled by the interaction between the north-south plate convergence along the Himalayas (Fig. 1) and east-west plate convergence along the Indo-Myanmar Ranges, a 230-km-wide active orogenic belt associated with eastward subduction of the Indian Plate beneath the Burma Plate (Brunnschweiler, 1966, Le Dain et al., 1984, Sengupta et al., 1990, Johnson and Alam, 1991). Geology, structure and lithostratigraphic framework of the ... The Indo-Myanmar Range (IMR) straddles the eastern suture between the Indian Subcontinent and Asia. It formed during collision between continental crust associated with the Indian Plate and the Myanmar microplate (Brunnschweiler, 1966, Gansser, 1980, Mitchell, 1981, Acharyya, 1986, Acharyya, 2007, Acharyya, 2015, Aitchison et al., 2019). The range is flanked to the west by the Bengal Fan and to the east by the Central Myanmar Basin, which extends to the Irrawaddy fan and the Java Trench ... Eocene foraminifers of the Naga Hills of Manipur, Indo ... The hills of Manipur form an integral part of the Indo-Myanmar Ranges (IMR). The IMR in general and the Manipur Hills in particular evolved as a result of dextral shear coupling between Indian and

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Myanmar plates, when the former subducts bellow the latter (Soibam 1998, 2001).

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